

***SYSTEM INTEGRATION TESTING***  
**(SIT)**  
**API GENERATE QRIS BY**  
**MERCHANT VERSI 2**  
**PBB, PDL, BPHTB KAB. NATUNA**

**Tanggal : 05 - 06 Februari 2024**

**Versi Dokumen : 1.2.0**

**PT. Bank Pembangunan Riau Kepri Syariah (Perseroda)**

**Gedung Menara Dang Merdu Bank Riau Kepri Lantai 7**

Jl. Sudirman No. 462

Pekanbaru

### TEST HISTORY

| No                  | Test Case                                                                | Pass | Fail | Unexecuted | Percentages of Fail | New Problem | Executed On |
|---------------------|--------------------------------------------------------------------------|------|------|------------|---------------------|-------------|-------------|
| <b>POSITIF TEST</b> |                                                                          |      |      |            |                     |             |             |
| 1.                  | Login / Generate Token dengan request body yang benar                    | √    |      |            |                     |             |             |
| 2.                  | Hit Tagihan dengan request body yang benar                               | √    |      |            |                     |             |             |
| 3.                  | Scan QRIS                                                                | √    |      |            |                     |             |             |
| <b>NEGATIF TEST</b> |                                                                          |      |      |            |                     |             |             |
| 4.                  | Menginputkan Merchant ID yang tidak valid                                | √    |      |            |                     |             |             |
| 5.                  | Jika user menginputkan billing number lebih dari 22 digit                | √    |      |            |                     |             |             |
| 6.                  | Jika user menginputkan kode jenis pembayaran yang tidak sesuai ketentuan | √    |      |            |                     |             |             |
| 7.                  | Jika user menginputkan kode jenis pembayaran selain angka                | √    |      |            |                     |             |             |
| 8.                  | Jika user mengosongkan salah satu atau lebih field data request          | √    |      |            |                     |             |             |
| 9.                  | Jika user menginputkan                                                   | √    |      |            |                     |             |             |

|                      |                                                                            |   |  |  |  |  |  |
|----------------------|----------------------------------------------------------------------------|---|--|--|--|--|--|
|                      | format nominal yang salah                                                  |   |  |  |  |  |  |
| 10.                  | Jika parameter <i>request</i> tidak lengkap saat proses <i>request</i>     | √ |  |  |  |  |  |
| 11.                  | Jika <i>user</i> menginputkan format tahun yang salah                      | √ |  |  |  |  |  |
| 12.                  | Jika <i>amount</i> yang diinputkan lebih dari limit transaksi              | √ |  |  |  |  |  |
| 13.                  | Jika format <i>expired date</i> tidak sesuai dengan ketentuan              | √ |  |  |  |  |  |
| 14.                  | Jika <i>expired date</i> yang diinputkan yaitu sebelum <i>current date</i> | √ |  |  |  |  |  |
| 15.                  | Jika parameter <i>grant-type</i> yang diinputkan salah                     | √ |  |  |  |  |  |
| 16.                  | Jika parameter <i>client_id</i> yang diinputkan salah                      | √ |  |  |  |  |  |
| 17.                  | Jika parameter <i>client_secret</i> yang diinputkan salah                  | √ |  |  |  |  |  |
| 18.                  | Jika parameter <i>username</i> / <i>password</i> yang diinputkan salah     | √ |  |  |  |  |  |
| <b>TEST FLAGGING</b> |                                                                            |   |  |  |  |  |  |
| 19.                  | Hit Flagging PDL                                                           | √ |  |  |  |  |  |
| 20.                  | Hit Flagging PBB                                                           | √ |  |  |  |  |  |
| 21.                  | Hit Flagging BPHTB                                                         | √ |  |  |  |  |  |

## HASIL SYSTEM INTEGRATION TESTING (SIT)

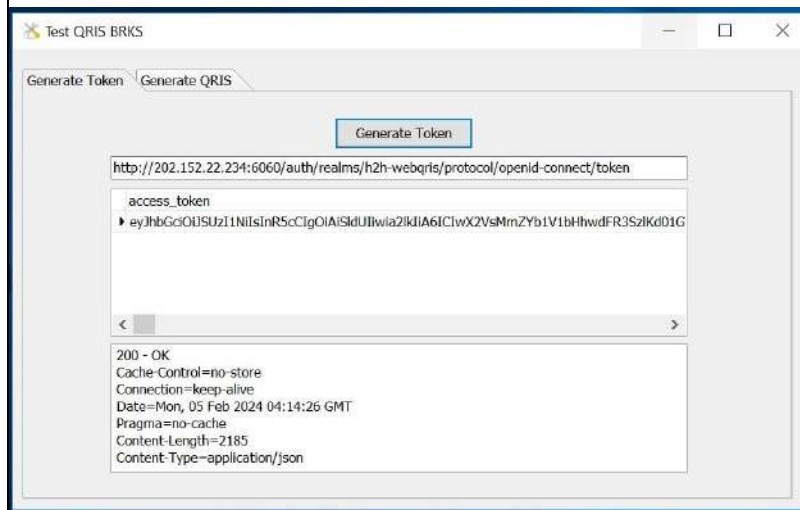
### MODUL : API GENERATE QRIS DINAMIS VERSI 2

#### Positif Test

##### 1. Login / Generate Token

| No. | Endpoint                                                                         | Request Body                                                               | Hasil yang diharapkan                                                                                                           |
|-----|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1.  | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | grant_type :<br>client_id :<br>client_secret :<br>username :<br>password : | Aplikasi <i>client</i> dapat mengakses API Hit Tagihan dengan <i>access_token</i> yang diperoleh dari API <i>Generate Token</i> |

#### Screenshot Hasil Request



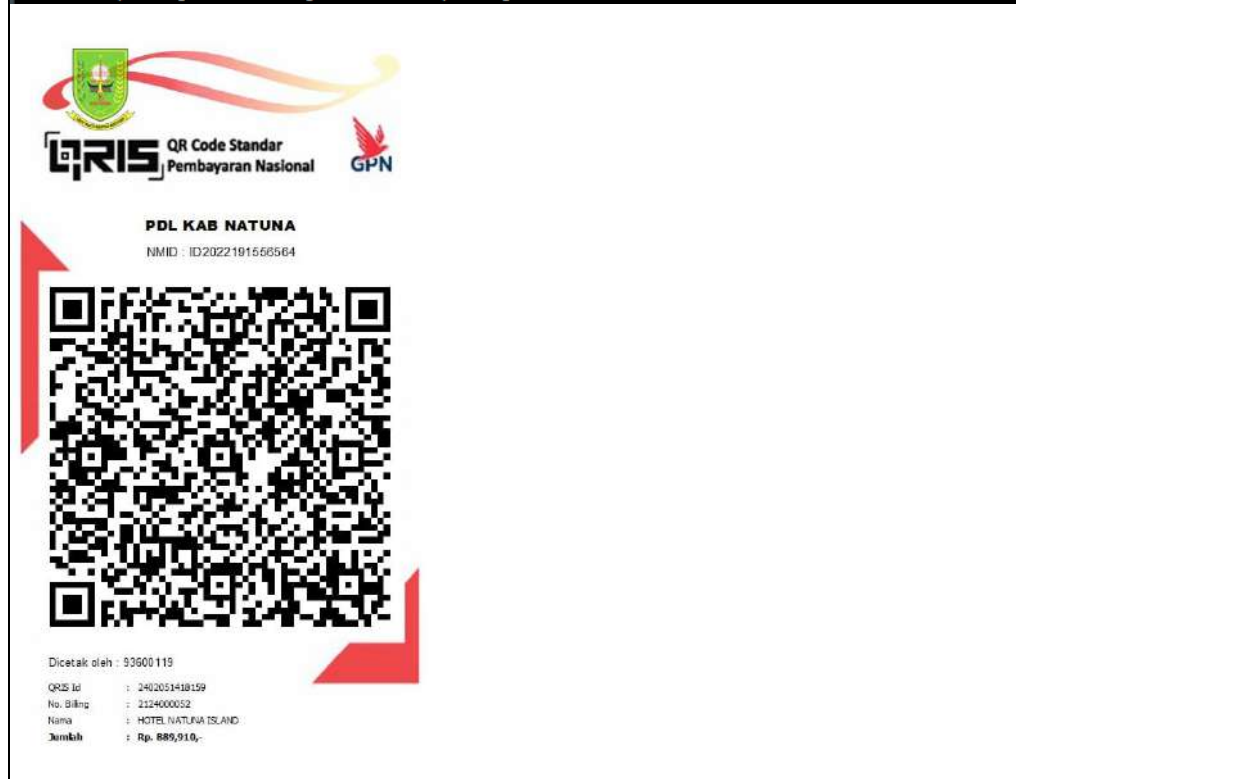
##### 2. Hit Tagihan

| No. | Endpoint                                              | Request Body                               | Hasil yang diharapkan                                                      |
|-----|-------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------|
| 1.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | {<br>"nMid" : "",<br>"namaPelanggan" : "", | Menampilkan data string yang digunakan untuk generate <i>image</i> QRCode, |

|  |  |                                                                                                                                                                                                     |                                                                                                                               |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p>"pokok" : "",<br/>         "denda" : "",<br/>         "amount" : "",<br/>         "tahun" : "",<br/>         "jenis" : "",<br/>         "billNumber" : "",<br/>         "expiredDate" : "" }</p> | <p>kode nns, terminal label,<br/>         nmid, nama merchant,<br/>         responseCode dan<br/>         responseMessage</p> |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

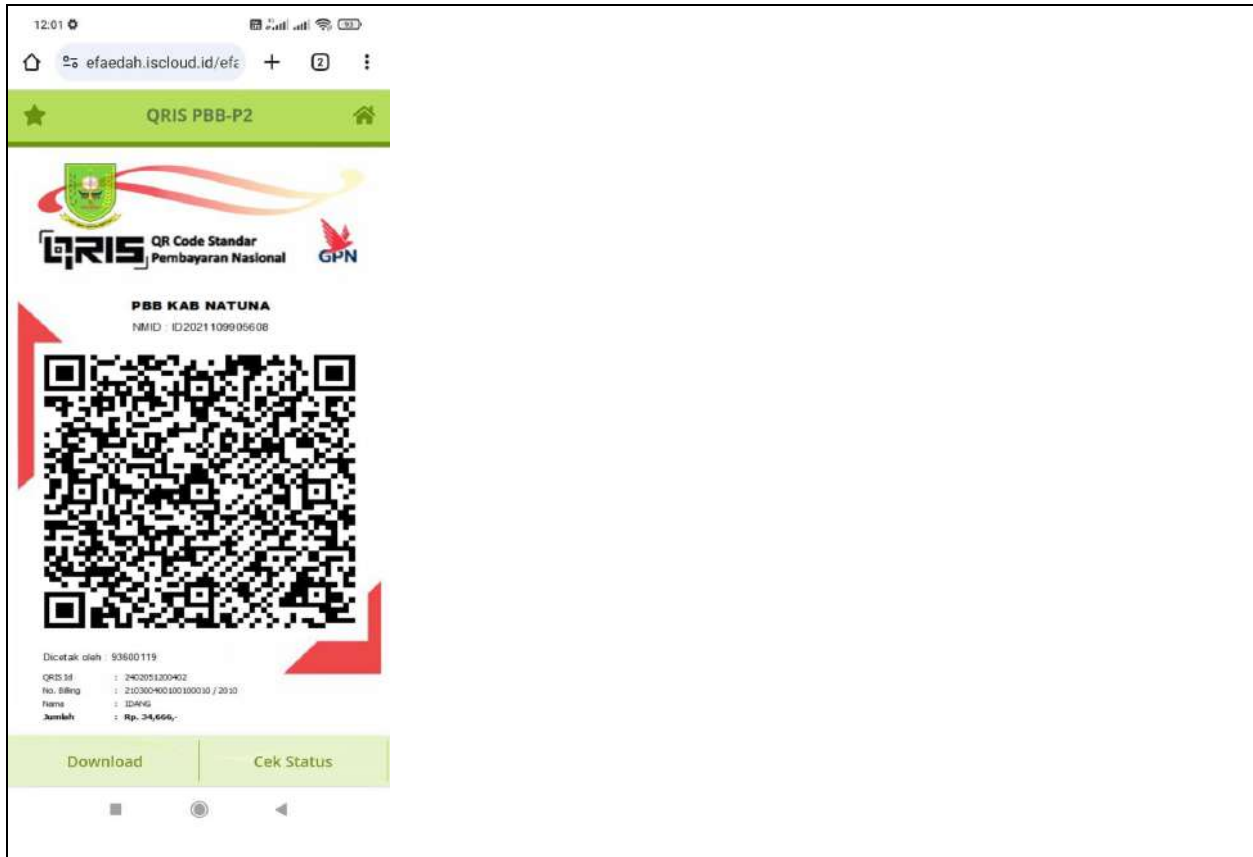
### Screenshot Hasil Request PDL

```
##### Response ##### {nns=93600119, terminal_label=A01, data=000201010212
26760024ID.CO.BANKKRIAUKEPRI.QRIS01189360011911762124680215ID11720002000060303URE
51440014ID.CO.QRIS.WWW0215ID20221915565640303URE52049311530336054068899105802ID5
914PDL KAB NATUNA6006NATUNA61052978362680110212400005205259105019202402051412254
2670703A019914202402060000006304056A, nmid=ID2022191556564, merchant_name=PDL KA
B NATUNA, responseMessage=Berhasil, responseCode=00}
```



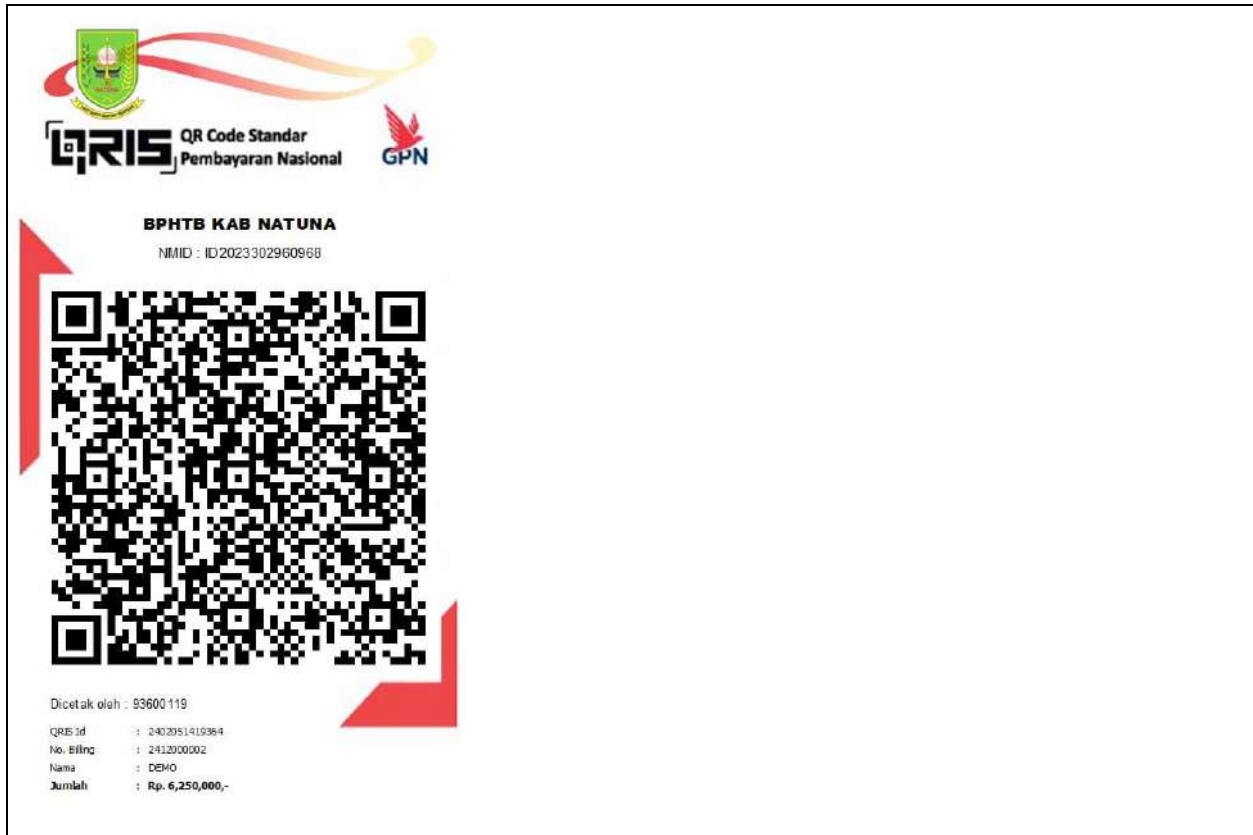
### Screenshot Hasil Request PBB

```
##### Response ##### {nns=93600119, terminal_label=A01, data=00020101021226760024ID.CO.BANKKRIAUKEPRI.QRIS01189360011911414830020215ID11720002000020303URE51440014
ID.CO.QRIS.WWW0215ID20211099056080303URE5204939953033605405346665802ID5914PBB KAB NATUNA6006NATUNA6105297836280012221030040010010001020100525900401920240205115409600507
03A0199142024020523595963040D68, nmid=ID2021109905608, merchant_name=PBB KAB NATUNA, responseMessage=Berhasil, responseCode=00}
```



### Screenshot Hasil Request BPHTB

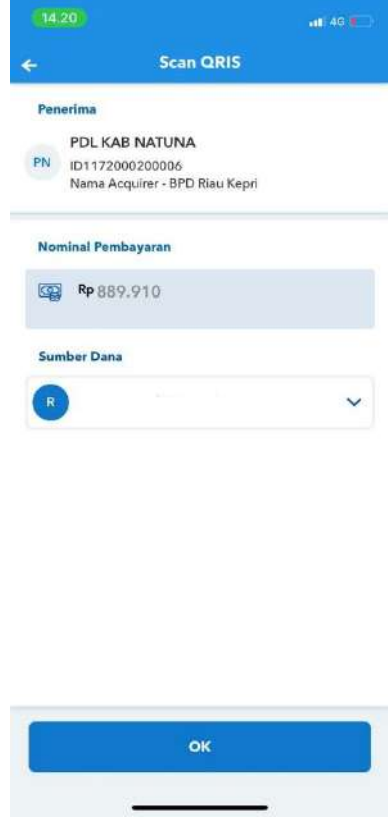
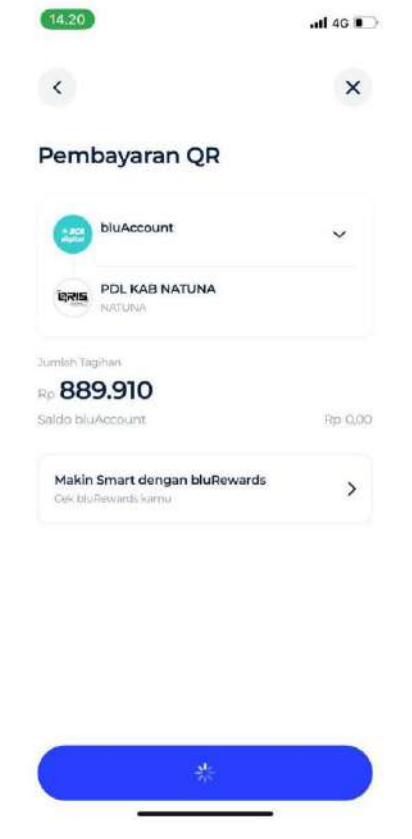
```
##### Response ##### {nns=93600119, terminal_label=A01, data=000201010212
26760024ID.CO.BANKRIAUKPRI.QRIS01189360011911293780300215ID11720002000250303URE
51440014ID.CO.QRIS.WWW0215ID20233029609680303URE520493995303360540762500005802ID
5916BPHTB KAB NATUNA6006NATUNA61052978362680110241200000205259101017202401311042
4552450703A0199142024030100000063045007, nmid=ID2023302960968, merchant_name=BPHTB
KAB NATUNA, responseMessage=Berhasil, responseCode=00}
```



### 3. Scan QRIS

## Hasil QR pada GUI Client (PDL)

## Hasil Scan QRIS PDL

|                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>14.20 4G</p> <p>← Scan QRIS</p> <p>Penerima</p> <p>PN PDL KAB NATUNA<br/>ID1172000200006<br/>Nama Acquirer - BPD Riau Kepri</p> <p>Nominal Pembayaran</p> <p>Rp 889.910</p> <p>Sumber Dana</p> <p>R</p> <p>OK</p> |  <p>14.21 4G</p> <p>← PEMBAYARAN QRIS</p> <p>PDL KAB NATUNA<br/>NATUNA<br/>A01</p> <p>Nominal Transaksi<br/>Rp 889.910</p> <p>LANJUT</p> |  <p>14.20 4G</p> <p>&lt; X</p> <p>Pembayaran QR</p> <p>bluAccount</p> <p>QRIS PDL KAB NATUNA<br/>NATUNA</p> <p>Jumlah Tagihan<br/>Rp 889.910<br/>Saldo bluAccount Rp 0,00</p> <p>Makin Smart dengan bluRewards<br/>Cek bluRewards kamu</p> <p></p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

14.22

**Cek Jumlah Pembayaran**

**PDL KAB NATUNA**  
ID1172000200006

Jumlah  
**Rp 889.910**

Bayar dari Saldo Aktif  
**Rp 97.000**

Saldo Aktif tidak cukup untuk melakukan pembayaran ini.

Kategori  
Belum Terkategori

Lanjut

14.23

**Review pembayaran**

TOTAL PEMBAYARAN  
**Rp889.910**

RINCIAN REKAN USAHA

**PDL KAB NATUNA - PT. Bank Riau Kepri**  
NATUNA NATUNA 29783

GoPay  
SaldoMu kurang: Rp133.169

Dengan melanjutkan proses ini, kamu menyetujui Syarat & ketentuan.

Bayar **Rp889.910**

## Hasil Scan QRIS PBB

12.01

**Scan QRIS**

Penerima

**PBB KAB NATUNA**  
ID1172000200002  
Nama Acquirer - BPD Riau Kepri

Nominal Pembayaran

**Rp 34.666**

Sumber Dana

**R**

OK

12.02

**Bayar Ke**

**PBB KAB NATUNA**

Lokasi Merchant NATUNA, 29783, ID

Pengakuisisi PT. Bank Riau Kepri  
93600119141483002

Harga  
**Rp 34.666**

Deskripsi (Opsional)

Lanjutkan

12.03

**Pembayaran QR**

bluAccount  
0000 4666 867

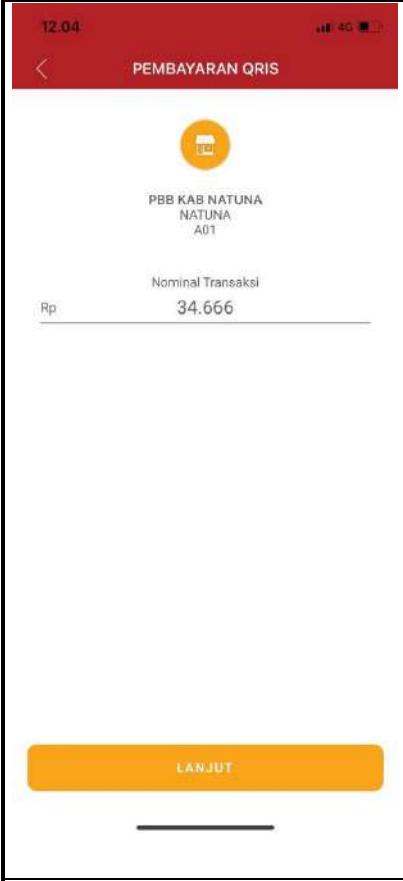
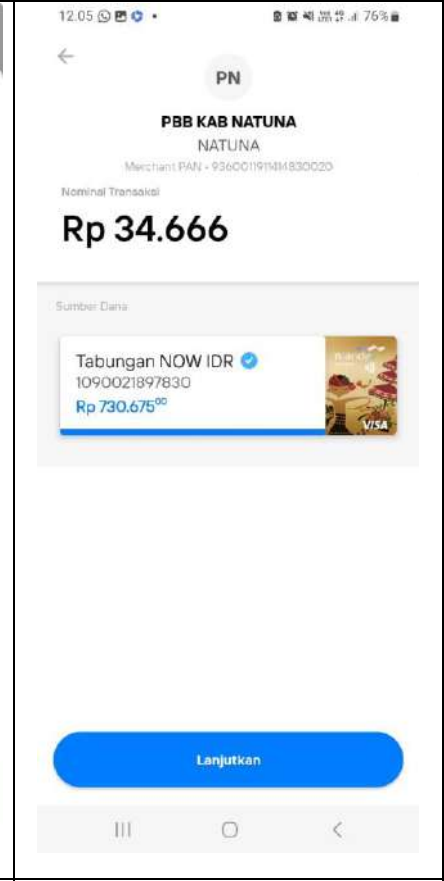
**PBB KAB NATUNA**  
NATUNA

Jumlah Tagihan  
Rp **34.666**

Saldo bluAccount Rp 232.083.54

Makin Smart dengan bluRewards  
Cek bluRewards kamu

Lanjut

|                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>12.04</p> <p>PEMBAYARAN QRIS</p> <p>PBB KAB NATUNA<br/>NATUNA<br/>A01</p> <p>Nominal Transaksi<br/>Rp. 34.666</p> <p>LANJUT</p> |  <p>12.04</p> <p>Cek Jumlah Pembayaran</p> <p>PBB KAB NATUNA<br/>ID1172000200002</p> <p>Jumlah<br/>Rp 34.666</p> <p>Bayar dari Saldo Aktif<br/>Rp 97.000</p> <p>Kategori<br/>Belum Terkategori</p> <p>Lanjut</p> |  <p>12.05</p> <p>PN</p> <p>PBB KAB NATUNA<br/>NATUNA</p> <p>Merchant PAN - 936001191MM830020</p> <p>Nominal Transaksi<br/><b>Rp 34.666</b></p> <p>Sumber Dana</p> <p>Tabungan NOW IDR<br/>1090021897830<br/>Rp 730.675<sup>00</sup></p> <p>Lanjutkan</p> |
|                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                             |
| <p><b>Hasil Scan QRIS BPHTB</b></p>                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                             |

14.25

4G

Scan QRIS

Penerima

BN

BPHTB KAB NATUNA

ID1172000200025

Nama Acquirer - BPD Riau Kepri

Nominal Pembayaran

Rp 6.250.000

Sumber Dana

R

OK

14.25

4G

PEMBAYARAN QRIS

BPHTB KAB NATUNA

NATUNA

A01

Nominal Transaksi

Rp 6.250.000

LANJUT

14.25

4G

Pembayaran QR

bluAccount

0060 4666 1167

BPHTB KAB NATUNA

NATUNA

Jumlah Tagihan

Rp 6.250.000

Saldo bluAccount

Rp 232.083.54

Makin Smart dengan bluRewards

Cek bluRewards kamu

Lanjut

14.25

4G

Bayar Ke

BPHTB KAB NATUNA

Lokasi Merchant

NATUNA, 29783, ID

Pengkuisasi

PT. Bank Riau Kepri

9360 0119 1129 3780 30

Harga

Rp 6.250.000

Deskripsi (Optional)

Lanjutkan

14.24

4G

Review pembayaran

TOTAL PEMBAYARAN

Rp6.250.000

RINCIAN REKAN USAHA

BPHTB KAB NATUNA - PT. Bank Riau Kepri

NATUNA NATUNA 29783

GoPay

Saldo kamu kurang: Rp133.799

Dengan melanjutkan proses ini, kamu menyetujui Syarat & ketentuan.

Bayar

Rp6.250.000

14.27

4G

Konfirmasi Pembayaran

BPHTB KAB NATUNA

Rp6.250.000

Metode Pembayaran

OVO Cash

Kurang Rp6.099.401

Refresh

Promo & Voucher

Lihat promo yang tersedia

Total Bayar

Rp6.250.000

Bayar

## Negatif Test

| No. | Endpoint                                              | Skenario                                  | Hasil yang diharapkan |
|-----|-------------------------------------------------------|-------------------------------------------|-----------------------|
| 1.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Menginputkan Merchant ID yang tidak valid |                       |

## Screenshot Hasil Request

### PBB

```
2024-02-06 09:05:46.623 INFO 6979 --- [http-nio-6667-exec-9] c.b.a.s.impl.MerchantInfoServiceImpl : 
: ##### Response ##### {responseMessage=NMID Tidak Valid / tidak ditemukan, responseCode=11}
```



### PDL

```
2024-02-06 09:19:11.490 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.MerchantInfoServiceImpl : 
: ##### Response ##### {responseMessage=NMID Tidak Valid / tidak ditemukan, responseCode=11}
```



## BPHTB

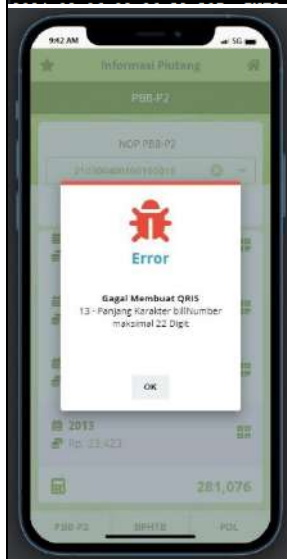


| No. | Endpoint                                              | Skenario                                                         | Hasil yang diharapkan |
|-----|-------------------------------------------------------|------------------------------------------------------------------|-----------------------|
| 2.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan <i>billing number</i> lebih dari 22 digit |                       |

## Screenshot Hasil Request

### PBB

```
2024-02-06 09:36:42.148 INFO 6979 --- [http-nio-6667-exec-2] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### {responseMessage=Panjang Karakter billNumber maksimal 22 Digit, responseCode=13}
```



### PDL

```
2024-02-06 09:38:33.484 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### {responseMessage=Panjang Karakter billNumber maksimal 22 Digit, responseCode=13}
```



#### BPHTB

| No. | Endpoint                                              | Skenario                                                                 | Hasil yang diharapkan |
|-----|-------------------------------------------------------|--------------------------------------------------------------------------|-----------------------|
| 3.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan kode jenis pembayaran yang tidak sesuai ketentuan |                       |

#### Screenshot Hasil Request

#### PBB

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=IDANG, pokok=23423, denda=11243, amount=34666, tahun=2010, jenis=255, billNumber=2103004001001000102010, expiredDate=2024-02-06 23:59:59}
2024-02-06 10:26:08.420 INFO 6979 --- [http-nio-6667-exec-8] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### {responseMessage=Pastikan kode jenis yang diinputkan sesuai dengan ketentuan, responseCode=14}
```

#### PDL

#### BPHTB

| No. | Endpoint                                              | Skenario                                                  | Hasil yang diharapkan |
|-----|-------------------------------------------------------|-----------------------------------------------------------|-----------------------|
| 4.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan kode jenis pembayaran selain angka |                       |

#### Screenshot Hasil Request

#### PBB

```
2024-02-06 09:48:58.316 INFO 6979 --- [http-nio-6667-exec-9] c.b.a.s.impl.MerchantInfoServiceIm
pl :
##### Response ##### (responseMessage=Kode Jenis Pembayaran yang diinputkan berupa angka,
responseCode=15)
```



## PDL

```
2024-02-06 09:48:58.316 INFO 6979 --- [http-nio-6667-exec-9] c.b.a.s.impl.MerchantInfoServiceIm
pl :
##### Response ##### (responseMessage=Kode Jenis Pembayaran yang diinputkan berupa angka,
responseCode=15)
```



## BPHTB

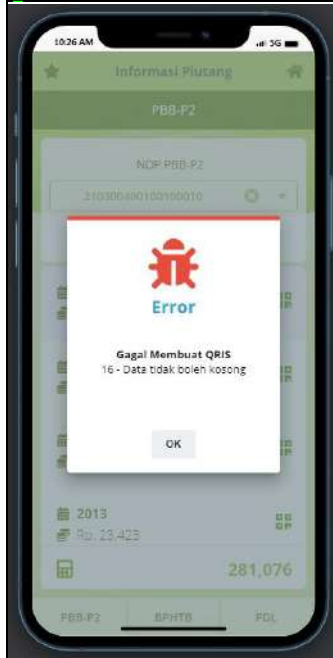
```
2024-02-06 09:52:18.673 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.MerchantInfoServiceImpl :
##### Response ##### (responseMessage=Kode Jenis Pembayaran yang diinputkan berupa angka, responseCode=15)
```

| No. | Endpoint                                              | Skenario                                                                      | Hasil yang diharapkan |
|-----|-------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------|
| 5.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user mengosongkan salah satu atau lebih <i>field</i> data <i>request</i> |                       |

## Screenshot Hasil Request

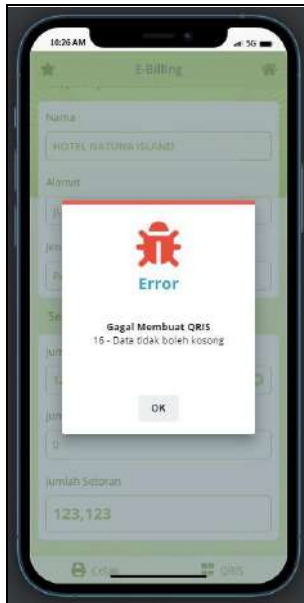
### PBB

```
##### Request Generate String ##### (nMid=ID1172000200002, namaPelanggan=ID ANG, pokok=23423, denda=11243, amount=34666, tahun=, jenis=1, billNumber=210300000 1001000102010, expiredDate=2024-02-06 23:59:59)
2024-02-06 10:20:29.859 INFO 6979 --- [http-nio-6667-exec-8] c.b.a.s.impl.MerchantInfoServiceImpl :
##### Response ##### (responseMessage=Data tidak boleh kosong, responseCode=16)
```



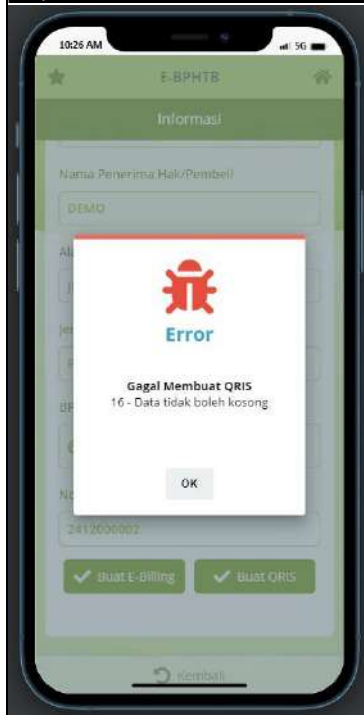
### PDL

```
##### Request Generate String ##### (nMid=ID1172000200006, namaPelanggan=HOTEL NATUNA ISLAND, pokok=123123, denda=0, amount=123123, tahun=, jenis=2, billNumber=2124000057, expiredDate=2024-02-07 00:00:00)
2024-02-06 10:22:09.962 INFO 6979 --- [http-nio-6667-exec-10] c.b.a.s.impl.MerchantInfoServiceImpl :
##### Response ##### (responseMessage=Data tidak boleh kosong, responseCode=16)
```



## BPHTB

```
##### Request Generate String ##### (nMid=ID11720002000025, namaPelanggan=DEMO, pokok=6250000, denda=0, amount=6250000, tahun=, jenis=4, billNumber=2412000002, expiredDate=2024-03-01 00:00:00)
2024-02-06 10:22:45.146 INFO 6979 --- [http-nio-6667-exec-3] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### (responseMessage=Data tidak boleh kosong, responseCode=16)
```

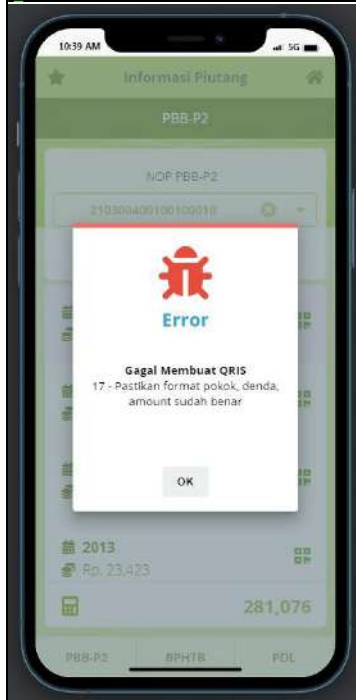


| No. | Endpoint                                              | Skenario                                         | Hasil yang diharapkan |
|-----|-------------------------------------------------------|--------------------------------------------------|-----------------------|
| 6.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan format nominal yang salah |                       |

## Screenshot Hasil Request

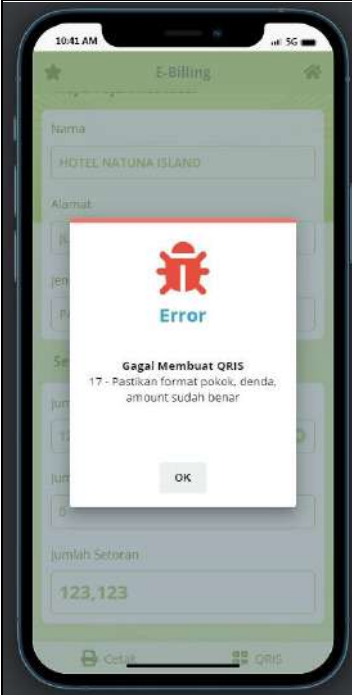
### PBB

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=ID
ANG, pokok=23423, denda=11243, amount=123abc, tahun=2010, jenis=1, billNumber=2103
004001001000102010, expiredDate=2024-02-06 23:59:59}
2024-02-06 10:33:21.551 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan format pokok, denda, amount
sudah benar, responseCode=17}
```



### PDL

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=HO
TEL NATUNA ISLAND, pokok=123123, denda=0, amount=123abc, tahun=2024, jenis=2, bill
Number=2124000058, expiredDate=2024-02-07 00:00:00}
2024-02-06 10:36:08.137 INFO 6979 --- [http-nio-6667-exec-2] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan format pokok, denda, amount
sudah benar, responseCode=17}
```



### BPHTB

```
##### Request Generate String ##### (nMId=ID1172000200025, namaPelanggan=DEMO, pokok=6250000, denda=0, amount=123abc, tahun=2024, jenis=4, billNumber=2412000002, expiredDate=2024-03-01 00:00:00)
2024-02-06 10:37:00.159 INFO 6979 --- [http-nio-6667-exec-4] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### (responseMessage=Pastikan format pokok, denda, amount
sudah benar, responseCode=17)
```



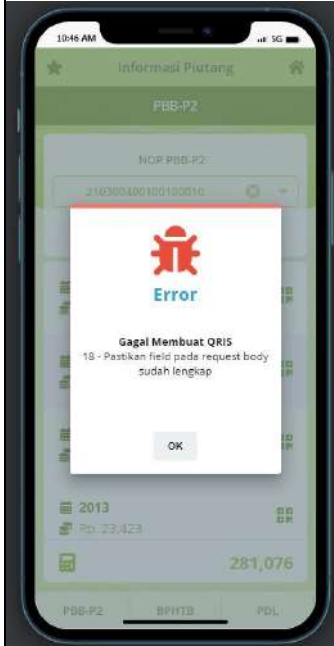
| No. | Endpoint | Skenario | Hasil yang diharapkan |
|-----|----------|----------|-----------------------|
|-----|----------|----------|-----------------------|

|    |                                                       |                                                          |  |
|----|-------------------------------------------------------|----------------------------------------------------------|--|
| 7. | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika parameter request tidak lengkap saat proses request |  |
|----|-------------------------------------------------------|----------------------------------------------------------|--|

## Screenshot Hasil Request

### PBB

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=ID
ANG, pokok=23423, denda=11243, tahun=2011, jenis=1, billNumber=2103004001001000102
011, expiredDate=2024-02-06 23:59:59}
2024-02-06 10:40:26.496 INFO 6979 --- [http-nio-6667-exec-7] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan field pada request body suda
h lengkap, responseCode=18}
```



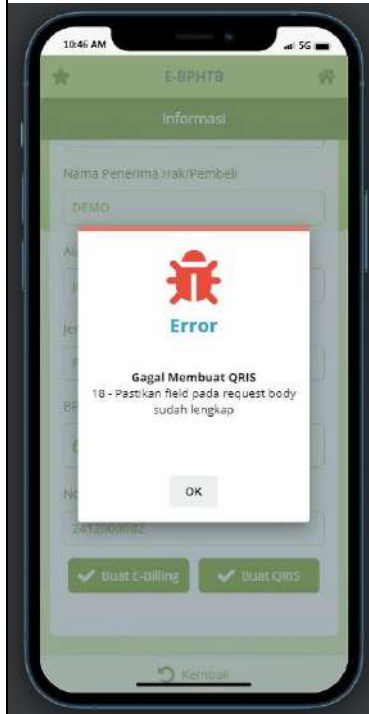
### PDL

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=HO
TEL NATUNA ISLAND, pokok=123123, denda=0, tahun=2024, jenis=2, billNumber=21240000
59, expiredDate=2024-02-07 00:00:00}
2024-02-06 10:42:04.116 INFO 6979 --- [http-nio-6667-exec-9] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan field pada request body suda
h lengkap, responseCode=18}
```



## BPHTB

```
##### Request Generate String ##### {nMId=ID1172000200025, namaPelanggan=DEMO, pokok=6250000, denda=0, tahun=2024, jenis=4, billNumber=2412000002, expiredDate=2024-03-01 00:00:00}
2024-02-06 10:42:46.244 INFO 6979 --- [http-nio-6667-exec-10] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### {responseMessage=Pastikan field pada request body sudah lengkap, responseCode=18}
```

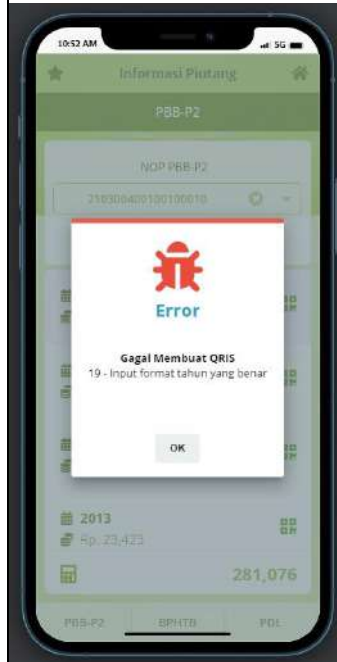


| No. | Endpoint | Skenario | Hasil yang diharapkan |
|-----|----------|----------|-----------------------|
|-----|----------|----------|-----------------------|

|    |                                                       |                                                |  |
|----|-------------------------------------------------------|------------------------------------------------|--|
| 8. | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan format tahun yang salah |  |
|----|-------------------------------------------------------|------------------------------------------------|--|

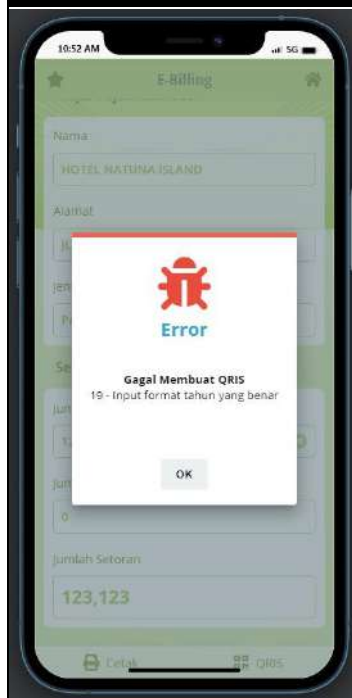
## Screenshot Hasil Request

### PBB

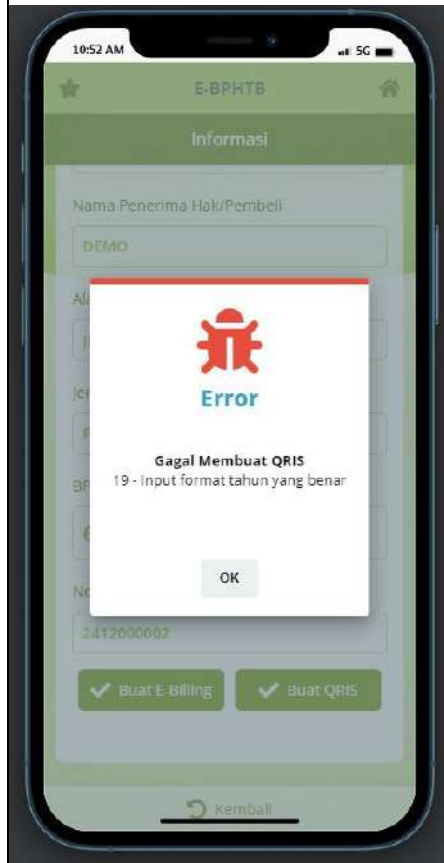


### PDL

```
##### Request Generate String ##### (nMid=ID1172000200006, namaPelanggan=HOTEL NATUNA ISLAND, pokok=123123, denda=0, amount=123123, tahun=A123, jenis=2, billNumber=2124000060, expiredDate=2024-02-07 00:00:00)
2024-02-06 10:48:06.501 INFO 6979 --- [http-nio-6667-exec-7] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### (responseMessage=Input format tahun yang benar, respon
seCode=19)
```



## BPHTB



| No. | Endpoint                                                                                                                  | Skenario                                                           | Hasil yang diharapkan |
|-----|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------|
| 9.  | <a href="http://202.152.22.234:6667/api-webqris-v2/generate-v2">http://202.152.22.234:6667/api-webqris-v2/generate-v2</a> | Jika user menginputkan <i>amount</i> yang melebihi limit transaksi |                       |

## Screenshot Hasil Request

### PBB

```

##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=ID
ANG, pokok=23423, denda=11243, amount=20000000, tahun=2010, jenis=1, billNumber=21
03004001001000102010, expiredDate=2024-02-06 23:59:59}
2024-02-06 10:54:25.482 INFO 6979 --- [http-nio-6667-exec-7] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### {responseMessage=Amount yang diinputkan melebihi limit
transaksi yaitu 10000000, responseCode=20}

```



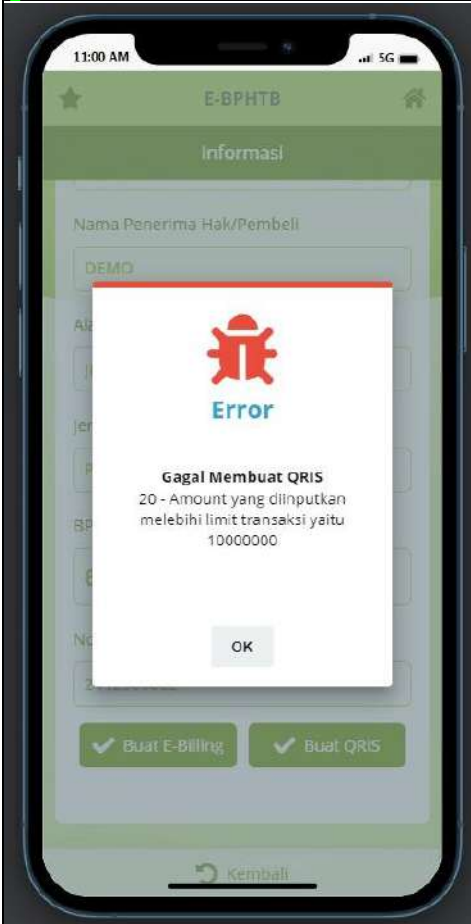
## PDL

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=HOTEL NATUNA ISLAND, pokok=123123, denda=0, amount=20000000, tahun=2024, jenis=2, billNumber=2124000061, expiredDate=2024-02-07 00:00:00}
2024-02-06 10:55:25.170 INFO 6979 --- [http-nio-6667-exec-8] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### {responseMessage=Amount yang diinputkan melebihi limit transaksi yaitu 10000000, responseCode=20}
```



## BPHTB

```
2024-02-06 10:55:59.976 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.controllers.Ap
iController :
##### Request Generate String ##### {nMid=ID1172000200025, namaPelanggan=DE
MO, pokok=6250000, denda=0, amount=20000000, tahun=2024, jenis=4, billNumber=24120
00002, expiredDate=2024-03-01 00:00:00}
2024-02-06 10:55:59.981 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.s.impl.Merchan
tInfoServiceImpl :
##### Response ##### {responseMessage=Amount yang diinputkan melebihi limit
transaksi yaitu 10000000, responseCode=20}
```

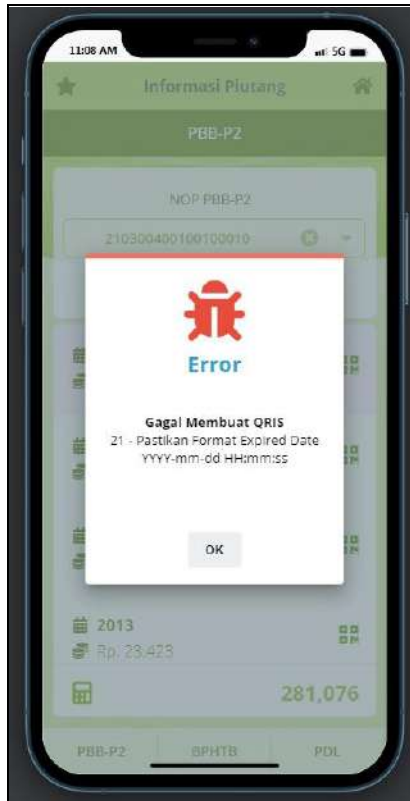


| No. | Endpoint                                              | Skenario                                                      | Hasil yang diharapkan |
|-----|-------------------------------------------------------|---------------------------------------------------------------|-----------------------|
| 10. | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika format <i>expired date</i> tidak sesuai dengan ketentuan |                       |

## Screenshot Hasil Request

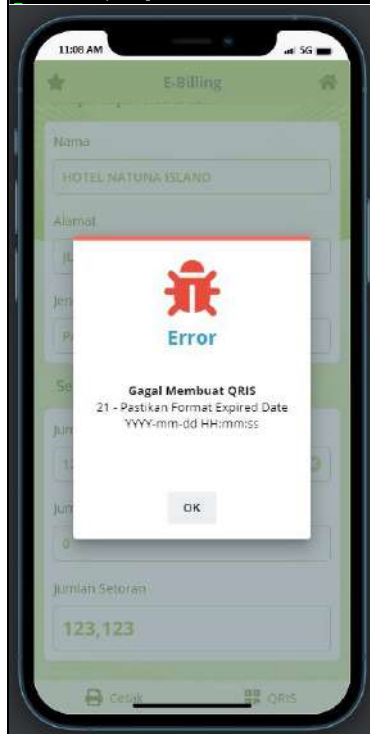
## PBB

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=IDANG, pokok=23423, denda=11243, amount=34666, tahun=2010, jenis=1, billNumber=210300400
1001000102010, expiredDate=2024-02-06}
2024-02-06 11:03:25.220 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.s.impl.MerchantInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan Format Expired Date YYYY-mm-dd HH:mm:ss, responseCode=21}
```



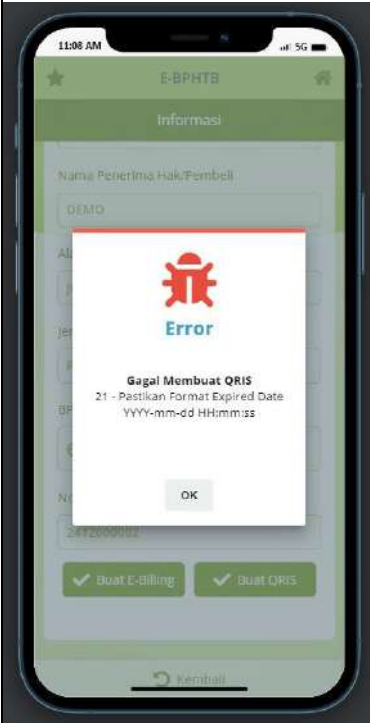
## PDL

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=HO  
TEL NATUNA ISLAND, pokok=123123, denda=0, amount=123123, tahun=2024, jenis=2, bill  
Number=2124000062, expiredDate=2024-02-06}  
2024-02-06 11:04:15.172 INFO 6979 --- [http-nio-6667-exec-2] c.b.a.s.impl.Merchan  
tInfoServiceImpl :  
##### Response ##### (responseMessage=Pastikan Format Expired Date YYYY-mm-  
dd HH:mm:ss, responseCode=21)
```



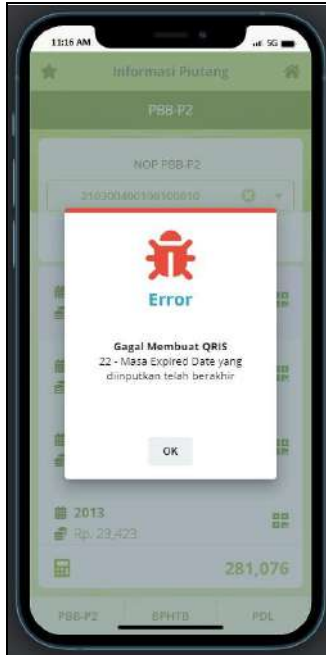
**BPHTB**

```
##### Request Generate String ##### (nMid=ID1172000200025, namaPelanggan=DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=4, billNumber=2412000002, expiredDate=2024-02-06)
2024-02-06 11:04:56.835 INFO 6979 --- [http-nio-6667-exec-3] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### (responseMessage=Pastikan Format Expired Date YYYY-mm-dd HH:mm:ss, responseCode=21)
```



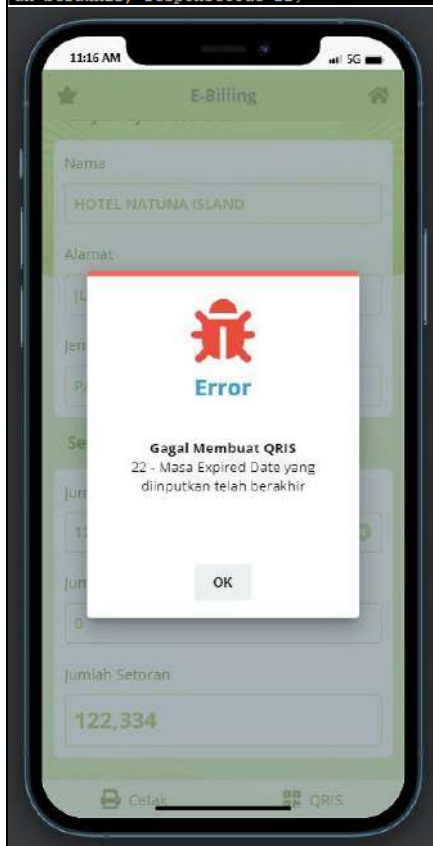
| No. | Endpoint                                              | Skenario                                                                   | Hasil yang diharapkan |
|-----|-------------------------------------------------------|----------------------------------------------------------------------------|-----------------------|
| 11. | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika <i>expired date</i> yang diinputkan yaitu sebelum <i>current date</i> |                       |

**Screenshot Hasil Request****PBB**



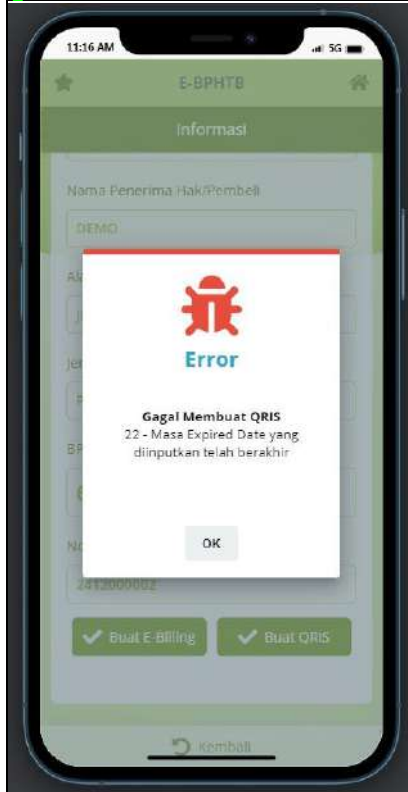
## PDL

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=HOTEL NATUNA ISLAND, pokok=122334, denda=0, amount=122334, tahun=2024, jenis=2, billNumber=2124000063, expiredDate=2024-01-06 11:17:43}
2024-02-06 11:11:42.747 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### {responseMessage=Masa Expired Date yang diinputkan telah berakhir, responseCode=22}
```



## BPHTB

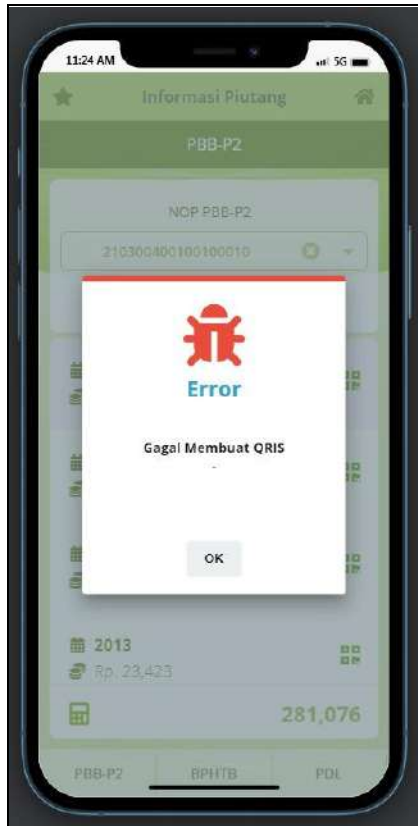
```
##### Request Generate String ##### {nMid=ID1172000200025, namaPelanggan=DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=4, billNumber=2412000002, expiredDate=2024-01-06 11:18:14}
2024-02-06 11:12:13.050 INFO 6979 --- [http-nio-6667-exec-7] c.b.a.s.impl.MerchantInfoServiceImpl : 
##### Response ##### {responseMessage=Masa Expired Date yang diinputkan telah berakhir, responseCode=22}
```



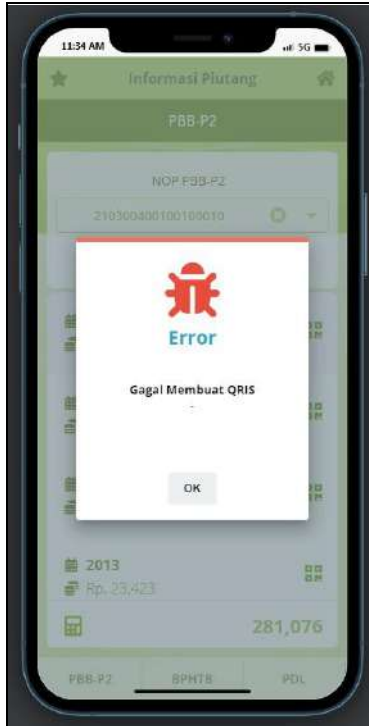
| No. | Endpoint                                                                         | Skenario                                               | Hasil yang diharapkan |
|-----|----------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|
| 12. | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | Jika parameter <i>grant-type</i> yang diinputkan salah |                       |

## Screenshot Hasil Request

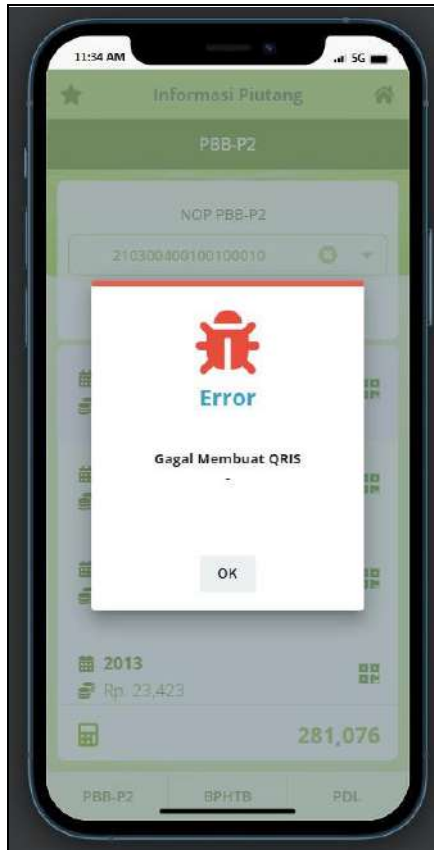
```
2024-02-06 11:35:24.309 WARN [org.keycloak.events] (default task-15) type=LOGIN_ERROR, realmId=h2h-webqris, clientId=h2h_webqris, userId=null, ipAddress=36.92.52.30, error=invalid_client_credentials, grant_type=password
```



| No.                                                                                                                                                                                                                                                                                      | Endpoint                                                                         | Skenario                                       | Hasil yang diharapkan |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------|-----------------------|
| 13.                                                                                                                                                                                                                                                                                      | http://202.152.22.234:6060/auth/realms/h2h-webgris/protocol/openid-connect/token | Jika parameter client_id yang diinputkan salah |                       |
| <b>Screenshot Hasil Request</b> <pre> 2024-02-06 11:35:24,309 WARN [org.keycloak.events] (default task-15) type=LOGIN_ERROR, realmId=h2h-webgris, clientId=h2h webgris, userId=null, ipAddress=36.92.52.30, error=invalid_client_credentials, grant_type=password                 </pre> |                                                                                  |                                                |                       |



| No.                                                                                                                                                                                                                                                                                      | Endpoint                                                                         | Skenario                                           | Hasil yang diharapkan |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------|-----------------------|
| 14.                                                                                                                                                                                                                                                                                      | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | Jika parameter client_secret yang diinputkan salah |                       |
| <b>Screenshot Hasil Request</b> <pre> 2024-02-06 11:35:24,309 WARN [org.keycloak.events] (default task-15) type=LOGIN_ERROR, realmId=h2h-webqris, clientId=h2h_webqris, userId=null, ipAddress=36.92.52.30, error=invalid_client_credentials, grant_type=password                 </pre> |                                                                                  |                                                    |                       |



| No.                                                                                                                                                                                                                                                                                                                                                                                                                                             | Endpoint                                                                                                                  | Skenario                                                 | Hasil yang diharapkan |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------|
| 15.                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="http://202.152.22.234:6667/api-webqris-v2/generate-v2">http://202.152.22.234:6667/api-webqris-v2/generate-v2</a> | Jika parameter username / password yang diinputkan salah |                       |
| <b>Screenshot Hasil Request</b><br><pre> 2024-02-06 11:36:30,652 WARN [org.keycloak.events] (default task-15) type=LOGIN_ERROR, realmId=h2h-webqris, clientId=h2h_webqris, userId=null, ipAddress=36.92.52.30, error=user not found, auth_method=openid-connect, grant_type=password, client_auth_method=client-secret, username=h2h_webqris_xyz, authSessionParentId=08622f96-f5bc-4841-bf90-73ffda49154c, authSessionTabId=usw3-8aEygI </pre> |                                                                                                                           |                                                          |                       |



## Positif Test

### 4. *Flagging* Pembayaran PBB

| No. | <i>Id Billing</i>      | Hasil yang diharapkan                                                         |
|-----|------------------------|-------------------------------------------------------------------------------|
| 1.  | 2103004001001000102010 | Berhasil mengirimkan status terbayar ke <i>endpoint</i> pembayaran PBB Natuna |



## 5. *Flagging* Pembayaran PDL

| No. | <i>Id Billing</i> | Hasil yang diharapkan                                                         |
|-----|-------------------|-------------------------------------------------------------------------------|
| 1.  | 2124000064        | Berhasil mengirimkan status terbayar ke <i>endpoint</i> pembayaran PDL Natuna |



## 6. *Flagging* Pembayaran BPHTB

| No. | <i><b>Id Billing</b></i> | <b>Hasil yang diharapkan</b>                                                    |
|-----|--------------------------|---------------------------------------------------------------------------------|
| 1.  | 2412000002               | Berhasil mengirimkan status terbayar ke <i>endpoint</i> pembayaran BPHTB Natuna |



***USER ACCEPTANCE TESTING***  
**(UAT)**  
**API GENERATE QRIS BY**  
**MERCHANT VERSI 2**  
**PBB, PDL, BPHTB KAB. NATUNA**

**Tanggal : 6 Februari 2024**

**Versi Dokumen : 1.2.0**

**PT. Bank Pembangunan Riau Kepri Syariah (Perseroda)**

**Gedung Menara Dang Merdu Bank Riau Kepri Lantai 7**

**Jl. Sudirman No. 462**

**Pekanbaru**

## TEST HISTORY

| No                  | Test Case                                                                | Pass | Fail | Unexecuted | Percentages of Fail | New Problem | Executed On |
|---------------------|--------------------------------------------------------------------------|------|------|------------|---------------------|-------------|-------------|
| <b>POSITIF TEST</b> |                                                                          |      |      |            |                     |             |             |
| 1.                  | Login / Generate Token dengan request body yang benar                    | √    |      |            |                     |             |             |
| 2.                  | Hit Tagihan dengan request body yang benar                               | √    |      |            |                     |             |             |
| 3.                  | Scan QRIS                                                                | √    |      |            |                     |             |             |
| <b>NEGATIF TEST</b> |                                                                          |      |      |            |                     |             |             |
| 4.                  | Menginputkan Merchant ID yang tidak valid                                | √    |      |            |                     |             |             |
| 5.                  | Jika user menginputkan billing number lebih dari 22 digit                | √    |      |            |                     |             |             |
| 6.                  | Jika user menginputkan kode jenis pembayaran yang tidak sesuai ketentuan | √    |      |            |                     |             |             |
| 7.                  | Jika user menginputkan kode jenis pembayaran selain angka                | √    |      |            |                     |             |             |
| 8.                  | Jika user mengosongkan salah satu atau lebih field data request          | √    |      |            |                     |             |             |
| 9.                  | Jika user menginputkan format nominal yang salah                         | √    |      |            |                     |             |             |

|                      |                                                                            |   |  |  |  |  |  |
|----------------------|----------------------------------------------------------------------------|---|--|--|--|--|--|
| 10.                  | Jika parameter <i>request</i> tidak lengkap saat proses <i>request</i>     | √ |  |  |  |  |  |
| 11.                  | Jika <i>user</i> menginputkan format tahun yang salah                      | √ |  |  |  |  |  |
| 12.                  | Jika <i>amount</i> yang diinputkan lebih dari limit transaksi              | √ |  |  |  |  |  |
| 13.                  | Jika format <i>expired date</i> tidak sesuai dengan ketentuan              | √ |  |  |  |  |  |
| 14.                  | Jika <i>expired date</i> yang diinputkan yaitu sebelum <i>current date</i> | √ |  |  |  |  |  |
| 15.                  | Minimal Transaksi QRIS yaitu 1 Rupiah                                      | √ |  |  |  |  |  |
| 16.                  | Jika parameter <i>grant-type</i> yang diinputkan salah                     | √ |  |  |  |  |  |
| 17.                  | Jika parameter <i>client_id</i> yang diinputkan salah                      | √ |  |  |  |  |  |
| 18.                  | Jika parameter <i>client_secret</i> yang diinputkan salah                  | √ |  |  |  |  |  |
| 19.                  | Jika parameter <i>username</i> / <i>password</i> yang diinputkan salah     | √ |  |  |  |  |  |
| <b>TEST FLAGGING</b> |                                                                            |   |  |  |  |  |  |
| 20.                  | Hit Flagging PBB                                                           | √ |  |  |  |  |  |
| 21.                  | Hit Flagging PDL                                                           | √ |  |  |  |  |  |
| 22.                  | Hit Flagging BPHTB                                                         | √ |  |  |  |  |  |

## HASIL USER ACCEPTANCE TESTING (UAT)

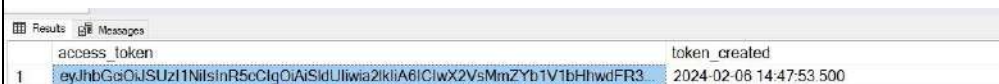
### MODUL : API GENERATE QRIS DINAMIS VERSI 2

#### Positif Test

##### 1. Login / Generate Token

| No. | Endpoint                                                                         | Request Body                                                     | Hasil yang diharapkan                                                                                                           |
|-----|----------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1.  | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | grant_type<br>client_id<br>client_secret<br>username<br>password | Aplikasi <i>client</i> dapat mengakses API Hit Tagihan dengan <i>access_token</i> yang diperoleh dari API <i>Generate Token</i> |

#### Screenshot Hasil Request



|                                                                                                      |                         |
|------------------------------------------------------------------------------------------------------|-------------------------|
| Results                                                                                              | Messages                |
| access_token                                                                                         | token_created           |
| 1 eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXZW50In0.eyJ1IjoiY2hwebqrisIiwia2kiOiA6Iiwia3IiOiJ1b3R5b1V1bHhwdFR3 | 2024-02-08 14:47:53 500 |

##### 2. Hit Tagihan

| No. | Endpoint                                              | Request Body                                                                                                                                                                      | Hasil yang diharapkan                                                                                                                                      |
|-----|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | {<br>"nMid" : "",<br>"namaPelanggan" : "",<br>"pokok" : "",<br>"denda" : "",<br>"amount" : "",<br>"tahun" : "",<br>"jenis" : "",<br>"billNumber" : "",<br>"expiredDate" : ""<br>} | Menampilkan data string yang digunakan untuk generate <i>image</i> QRCode, kode nns, terminal label, nmid, nama merchant, responseCode dan responseMessage |

#### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, amount=34666, tahun=2020, jenis=1, billNumber=2
103004001001000102020, expiredDate=2024-02-06 23:59:59}
2024-02-06 14:45:55.416 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.s.impl.Merch
antInfoServiceImpl : ### FIND DATA ID1172000200002 IDANG 2103004001001000102
020 23423 11243 34666 2020 PBB 2024-02-06T23:59:59
2024-02-06 14:45:55.520 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {nns=93600119, terminal_label=A01, data=000201010212
26760024ID.CO.BANKRIAUKPRI.QRIS01189360011911414830020215ID11720002000020303URE
51440014ID.CO.QRIS.WWW0215ID20211099056080303URE5204939953033605405346665802ID59
14PBB KAB NATUNA6006NATUNA610529783628001222103004001001000102020052590040192024
02061445554690703A01991420240206235959630481E6, nmid=ID2021109905608, merchant_
name=PBB KAB NATUNA, responseMessage=Berhasil, responseCode=00}
```

### Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=
HOTEL NATUNA ISLAND, pokok=321451, denda=0, amount=321451, tahun=2024, jenis=2,
billNumber=2124000065, expiredDate=2024-02-07 00:00:00}
2024-02-06 14:50:21.493 INFO 6979 --- [http-nio-6667-exec-3] c.b.a.s.impl.Merch
antInfoServiceImpl : ### FIND DATA ID1172000200006 HOTEL NATUNA ISLAND 21240
00065 321451 0 321451 2024 PDL 2024-02-07T00:00
2024-02-06 14:50:21.567 INFO 6979 --- [http-nio-6667-exec-3] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {nns=93600119, terminal_label=A01, data=000201010212
26760024ID.CO.BANKRIAUKPRI.QRIS01189360011911762124680215ID11720002000060303URE
51440014ID.CO.QRIS.WWW0215ID20221915565640303URE52049311530336054063214515802ID5
914PDL KAB NATUNA6006NATUNA61052978362680110212400006505259105019202402061450316
4870703A0199142024020700000063042573, nmid=ID2022191556564, merchant_name=PDL KA
B NATUNA, responseMessage=Berhasil, responseCode=00}
```

### Screenshot Hasil Request (BPHTB)

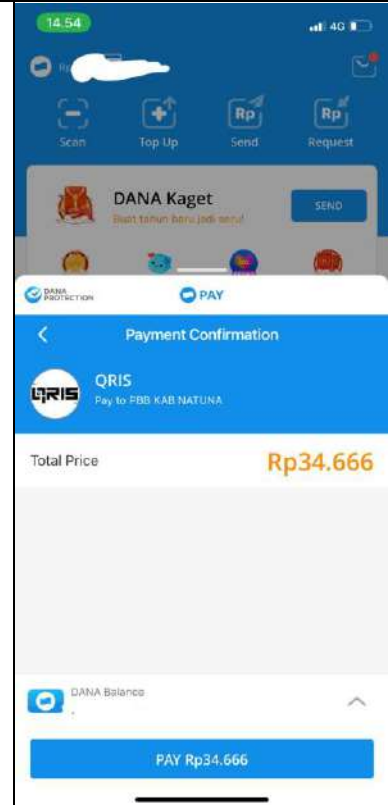
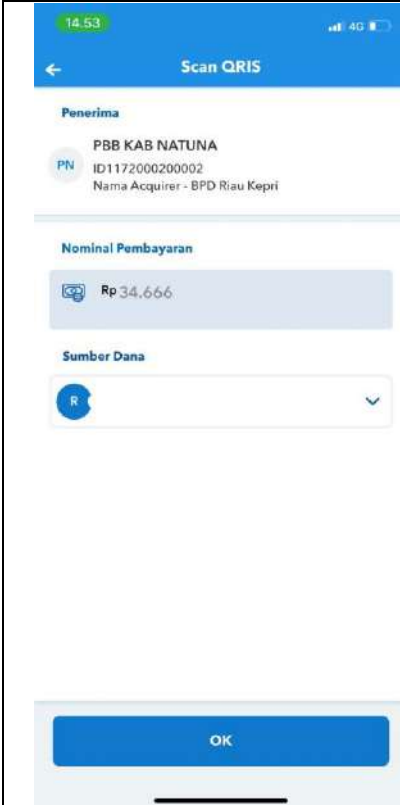
```
##### Request Generate String ##### {nMid=ID1172000200025, namaPelanggan=
DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=4, billNumber=24
12000013, expiredDate=2024-03-07 00:00:00}
2024-02-06 14:56:57.019 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.Merch
antInfoServiceImpl : ### FIND DATA ID1172000200025 DEMO 2412000013 6250000 0
6250000 2024 BPHTB 2024-03-07T00:00
2024-02-06 14:56:57.107 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {nns=93600119, terminal_label=A01, data=000201010212
26760024ID.CO.BANKRIAUKPRI.QRIS01189360011911293780300215ID11720002000250303URE
51440014ID.CO.QRIS.WWW0215ID20233029609680303URE520493995303360540762500005802ID
5916BPHTB KAB NATUNA6006NATUNA61052978362680110241200001305259101017202402061456
5749420703A0199142024030700000063049BAE, nmid=ID2023302960968, merchant_name=BPHT
B KAB NATUNA, responseMessage=Berhasil, responseCode=00}
```

## 3. Scan QRIS

## Hasil QR pada GUI Client (PBB)



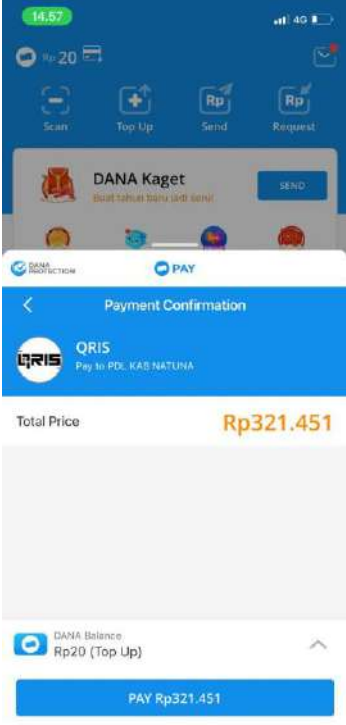
## Hasil Scan QRIS (PBB)



## Hasil QR pada GUI Client (PDL)



## Hasil Scan QRIS (PDL)

|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>14.57</p> <p>Rp 20</p> <p>Scan Top Up Send Request</p> <p><b>DANA Kaget</b><br/>Buat tabung baru dan lebih</p> <p>SEND</p> <p>DANA PROTECTION PAY</p> <p>Payment Confirmation</p> <p><b>QRIS</b><br/>Pay to: PDL KAB NATUNA</p> <p>Total Price <b>Rp321.451</b></p> <p>DANA Balance<br/>Rp20 (Top Up)</p> <p><b>PAY Rp321.451</b></p> |  <p>14.58</p> <p>Scan QRIS</p> <p>Penerima</p> <p><b>PDL KAB NATUNA</b><br/>ID1172000200006<br/>Nama Acquirer - BPD Riau Kepri</p> <p>Nominal Pembayaran</p> <p><b>Rp 321.451</b></p> <p>Sumber Dana</p> <p><b>0696 0100 2673 561</b><br/>Rp93.258.417,60</p> <p><b>OK</b></p> |  <p>14.58</p> <p>PEMBAYARAN QRIS</p> <p><b>PDL KAB NATUNA NATUNA A01</b></p> <p>Nominal Transaksi<br/>Rp <b>321.451</b></p> <p><b>LANJUT</b></p> |
| <p><b>Hasil Scan QRIS (BPHTB)</b></p>                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                     |



QR Code Standar  
Pembayaran Nasional



**BPHTB KAB NATUNA**  
NMID : ID2023302960968



Dicetak oleh : 93600119

QRIS Id : 2402061502030  
No. Billing : 2412000013  
Nama : DBMO  
Jumlah : Rp. 6,250,000,-

15.04

Rp 20

Scan Top Up Send Request

**DANA Kaget**  
Buat tabung baru jadi serut

SEND

DANA PROTECTION

PAY

Payment Confirmation

**QRIS**  
Pay to BPHTB KAB NATUNA

Total Price **Rp6.250.000**

DANA Balance  
Rp20 (Top Up)

**PAY Rp6.250.000**

15.04

Scan QRIS

Penerima

**BPHTB KAB NATUNA**  
BN ID1172000200025  
Nama Acquirer - BPD Riau Kepri

Nominal Pembayaran

**Rp 6.250.000**

Sumber Dana

**R 0696 0100 2673 561**  
Rp93.258.417,60

**OK**

15.05

PEMBAYARAN QRIS

**BPHTB KAB NATUNA  
NATUNA A01**

Nominal Transaksi  
Rp **6.250.000**

**LANJUT**

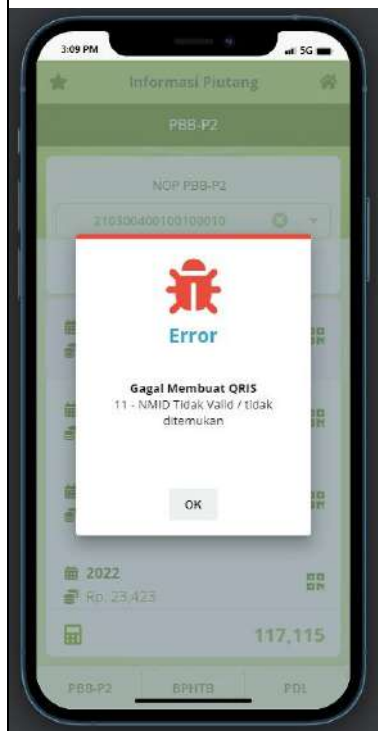
|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

## Negatif Test

| No. | Endpoint                                              | Skenario                                  | Hasil yang diharapkan |
|-----|-------------------------------------------------------|-------------------------------------------|-----------------------|
| 1.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Menginputkan Merchant ID yang tidak valid |                       |

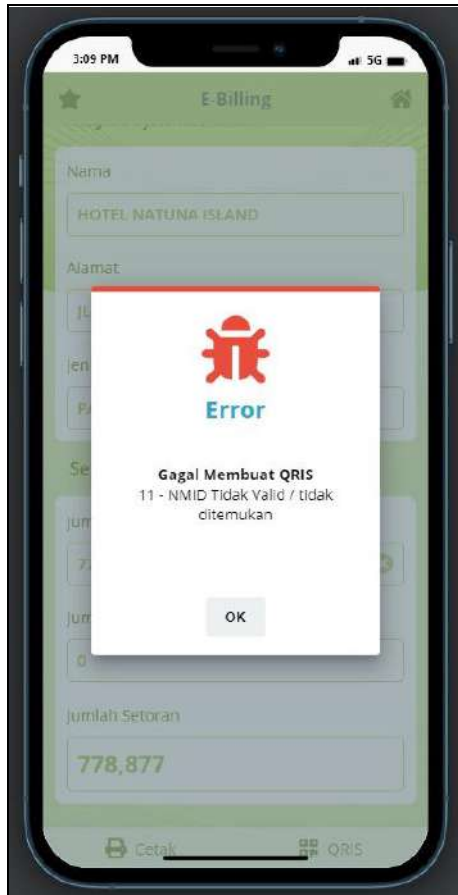
### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### {nMid=ID1172000200002a, namaPelanggan=IDANG, pokok=23423, denda=11243, amount=34666, tahun=2016, jenis=1, billNumber=2103004001001000102016, expiredDate=2024-02-06 23:59:59}
2024-02-06 15:03:21.459 INFO 6979 --- [http-nio-6667-exec-10] c.b.a.s.impl.MerchantInfoServiceImpl :
##### Response ##### {responseMessage=NMID Tidak Valid / tidak ditemukan, responseCode=11}
```



### Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### {nMid=ID1172000200006a, namaPelanggan=HOTEL NATUNA ISLAND, pokok=778877, denda=0, amount=778877, tahun=2024, jenis=2, billNumber=2124000067, expiredDate=2024-02-07 00:00:00}
2024-02-06 15:04:17.147 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.s.impl.MerchantInfoServiceImpl :
##### Response ##### {responseMessage=NMID Tidak Valid / tidak ditemukan, responseCode=11}
```



### Screenshot Hasil Request (BPHTB)

```
##### Request Generate String ##### {nMid=ID1172000200025a, namaPelanggan=DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=4, billNumber=2412000013, expiredDate=2024-03-07 00:00:00}
2024-02-06 15:05:07.759 INFO 6979 --- [http-nio-6667-exec-2] c.b.a.s.impl.MerchantInfoServiceImpl :
##### Response ##### {responseMessage=NMID Tidak Valid / tidak ditemukan, responseCode=11}
```



| No. | Endpoint                                              | Skenario                                                         | Hasil yang diharapkan |
|-----|-------------------------------------------------------|------------------------------------------------------------------|-----------------------|
| 2.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan <i>billing number</i> lebih dari 22 digit |                       |

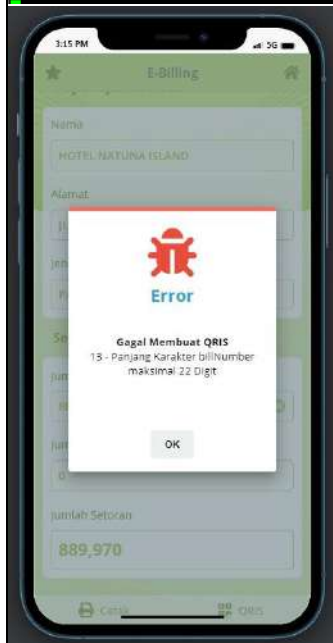
#### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, amount=34666, tahun=2016, jenis=1, billNumber=1
2345678901234567890123452016, expiredDate=2024-02-06 23:59:59}
2024-02-06 15:09:38.280 INFO 6979 --- [http-nio-6667-exec-5] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Panjang Karakter billNumber maksima
l 22 Digit, responseCode=13}
```



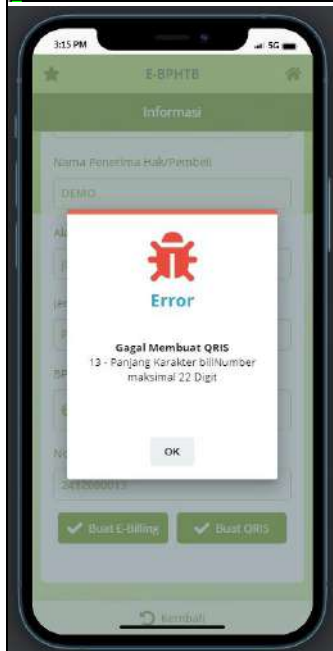
## Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=
HOTEL NATUNA ISLAND, pokok=889970, denda=0, amount=889970, tahun=2024, jenis=2,
billNumber=1234567890123456789012345, expiredDate=2024-02-07 00:00:00}
2024-02-06 15:10:42.162 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Panjang Karakter billNumber maksima
1 22 Digit, responseCode=13}
```



## Screenshot Hasil Request (BPHTB)

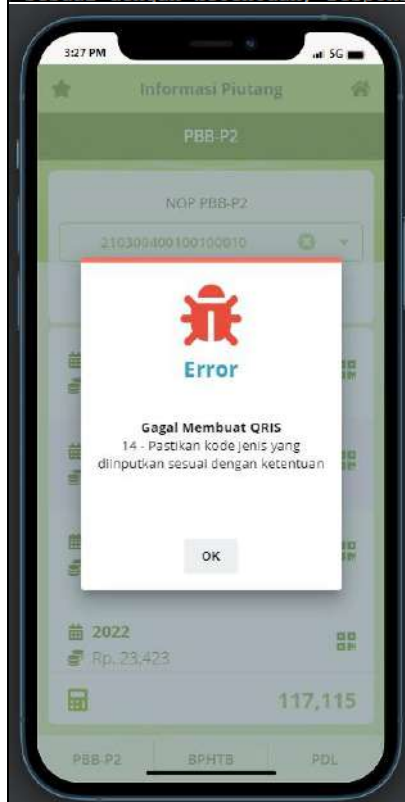
```
##### Request Generate String ##### {nMid=ID11720002000025, namaPelanggan=
DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=4, billNumber=12
34567890123456789012345, expiredDate=2024-03-07 00:00:00}
2024-02-06 15:11:37.629 INFO 6979 --- [http-nio-6667-exec-7] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Panjang Karakter billNumber maksima
1 22 Digit, responseCode=13}
```



| No. | Endpoint                                              | Skenario                                                                 | Hasil yang diharapkan |
|-----|-------------------------------------------------------|--------------------------------------------------------------------------|-----------------------|
| 3.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan kode jenis pembayaran yang tidak sesuai ketentuan |                       |

#### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, amount=34666, tahun=2020, jenis=50, billNumber=
2103004001001000102020, expiredDate=2024-02-06 23:59:59}
2024-02-06 15:21:23.334 INFO 6979 --- [http-nio-6667-exec-9] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan kode jenis yang diinputkan
sesuai dengan ketentuan, responseCode=14}
```



| No. | Endpoint                                              | Skenario                                                  | Hasil yang diharapkan |
|-----|-------------------------------------------------------|-----------------------------------------------------------|-----------------------|
| 4.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan kode jenis pembayaran selain angka |                       |

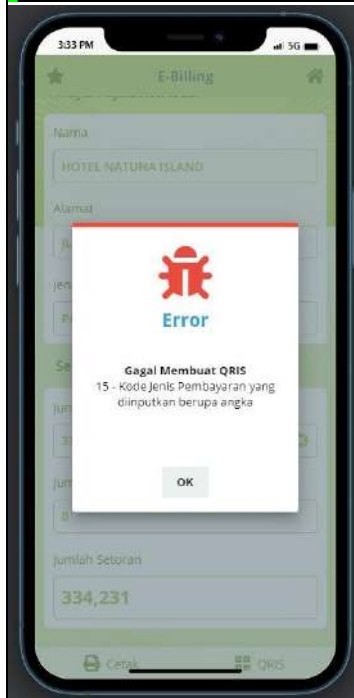
#### Screenshot Hasil Request (PBB)

```
2024-02-06 15:27:25.580 INFO 6979 --- [http-nio-6667-exec-5] c.b.a.controllers.
ApiController :
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, amount=34666, tahun=2016, jenis=xyz, billNumber=
2103004001001000102016, expiredDate=2024-02-06 23:59:59}
2024-02-06 15:27:25.585 INFO 6979 --- [http-nio-6667-exec-5] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Kode Jenis Pembayaran yang diinputk
an berupa angka, responseCode=15}
```



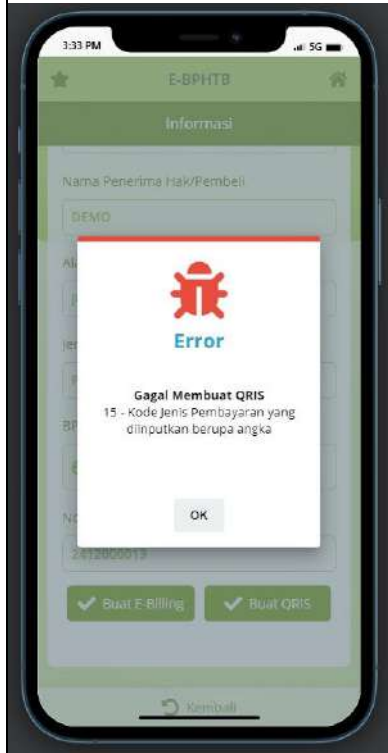
### Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### (nMid=ID117200020002S, namaPelanggan=
DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=xyz, billNumber=
2412000013, expiredDate=2024-03-07 00:00:00)
2024-02-06 15:28:39.263 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.Merch
antInfoServiceImpl : 
##### Response ##### (responseMessage=Kode Jenis Pembayaran yang diinputk
an berupa angka, responseCode=15)
```



### Screenshot Hasil Request (BPHTB)

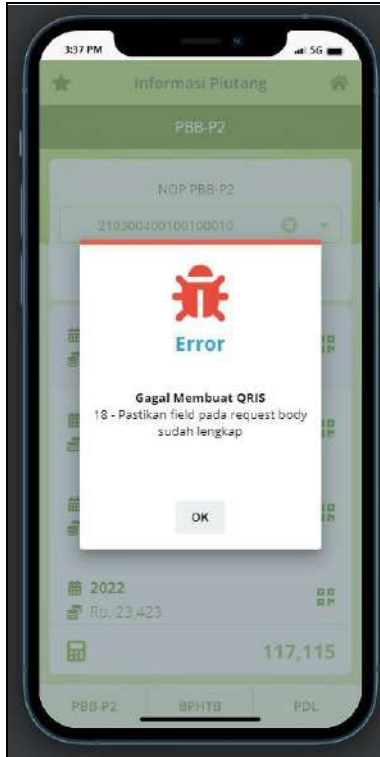
```
##### Request Generate String ##### {nMid=ID1172000200025, namaPelanggan=
DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=xyz, billNumber=
2412000013, expiredDate=2024-03-07 00:00:00}
2024-02-06 15:28:39.263 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Kode Jenis Pembayaran yang diinputk
an berupa angka, responseCode=15}
```



| No. | Endpoint                                              | Skenario                                                                      | Hasil yang diharapkan |
|-----|-------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------|
| 5.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user mengosongkan salah satu atau lebih <i>field</i> data <i>request</i> |                       |

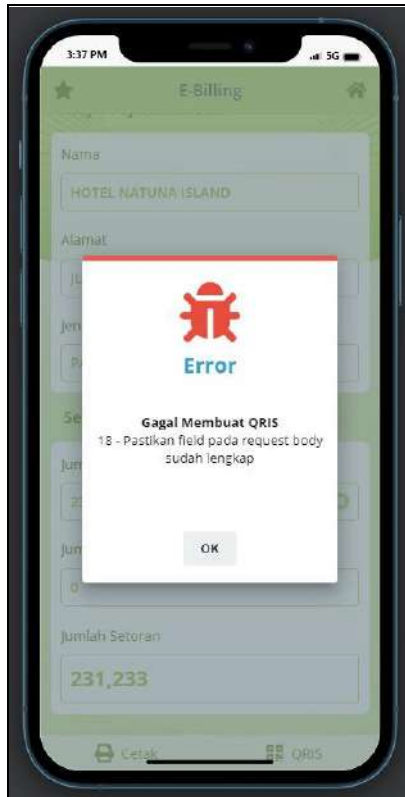
#### Screenshot Hasil Request (PBB)

```
2024-02-06 15:31:15.715 INFO 6979 --- [http-nio-6667-exec-8] c.b.a.controllers.
ApiController :
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, tahun=2016, jenis=1, billNumber=210300400100100
0102016, expiredDate=2024-02-06 23:59:59}
2024-02-06 15:31:15.715 INFO 6979 --- [http-nio-6667-exec-8] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan field pada request body su
dah lengkap, responseCode=18}
```



### Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### (nMid=ID1172000200006, namaPelanggan=
HOTEL NATUNA ISLAND, pokok=231233, denda=0, tahun=2024, jenis=2, billNumber=2124
000071, expiredDate=2024-02-07 00:00:00)
2024-02-06 15:32:01.441 INFO 6979 --- [http-nio-6667-exec-9] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### (responseMessage=Pastikan field pada request body su
dah lengkap, responseCode=18)
```



### Screenshot Hasil Request (BPHTB)

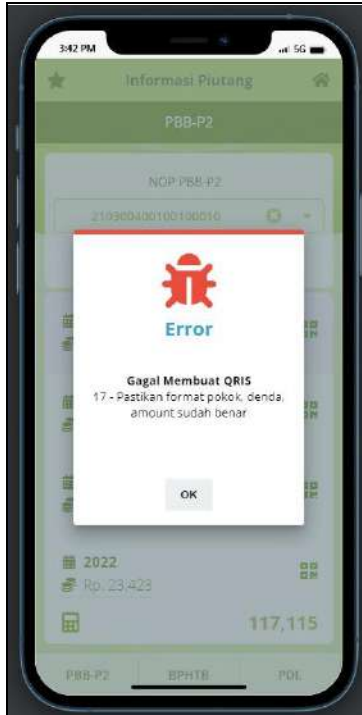
```
##### Request Generate String ##### {nMid=ID1172000200025, namaPelanggan=
DEMO, pokok=6250000, denda=0, tahun=2024, jenis=4, billNumber=2412000013, expire
dDate=2024-03-07 00:00:00}
2024-02-06 15:32:32.509 INFO 6979 --- [http-nio-6667-exec-10] c.b.a.s.impl.Merc
hantInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan field pada request body su
dah lengkap, responseCode=18}
```



| No. | Endpoint                                              | Skenario                                       | Hasil yang diharapkan |
|-----|-------------------------------------------------------|------------------------------------------------|-----------------------|
| 6.  | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user memasukkan format nominal yang salah |                       |

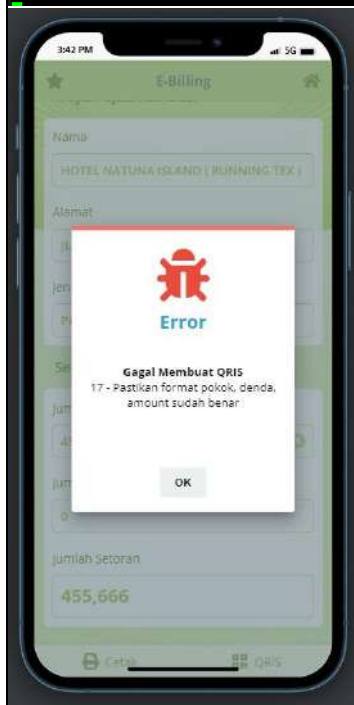
#### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, amount=123A556, tahun=2016, jenis=1, billNumber
=2103004001001000102016, expiredDate=2024-02-06 23:59:59}
2024-02-06 15:36:40.682 INFO 6979 --- [http-nio-6667-exec-2] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan format pokok, denda, amoun
t sudah benar, responseCode=17}
```



Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=
HOTEL NATUNA ISLAND ( RUNNING TEX ), pokok=455666, denda=0, amount=123A556, tahu
n=2024, jenis=2, billNumber=2424000072, expiredDate=2024-02-07 00:00:00}
2024-02-06 15:37:46.007 INFO 6979 --- [http-nio-6667-exec-5] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan format pokok, denda, amoun
t sudah benar, responseCode=17}
```

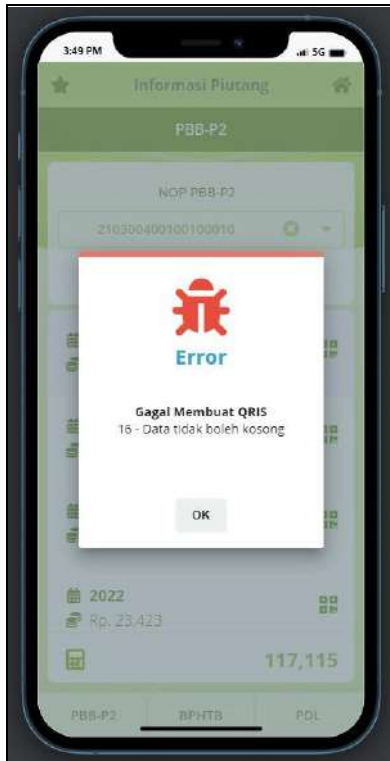


Screenshot Hasil Request (BPHTB)

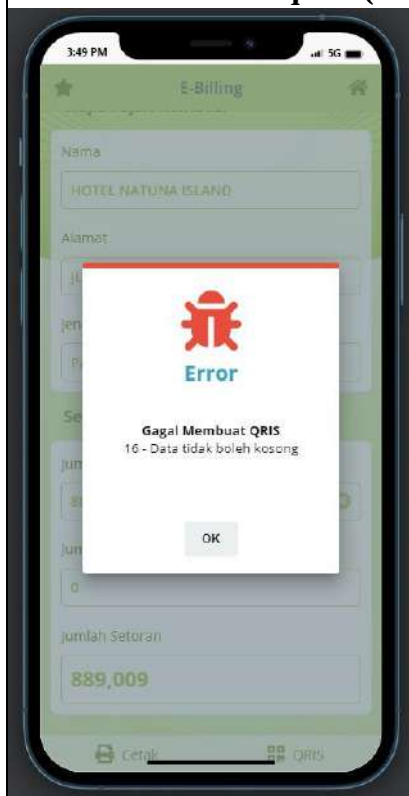
```
##### Request Generate String ##### {nMid=ID1172000200025, namaPelanggan=
DEMO, pokok=6250000, denda=0, amount=123A556, tahun=2024, jenis=4, billNumber=24
12000013, expiredDate=2024-03-07 00:00:00}
2024-02-06 15:38:12.733 INFO 6979 --- [http-nio-6667-exec-4] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan format pokok, denda, amoun
t sudah benar, responseCode=17}
```



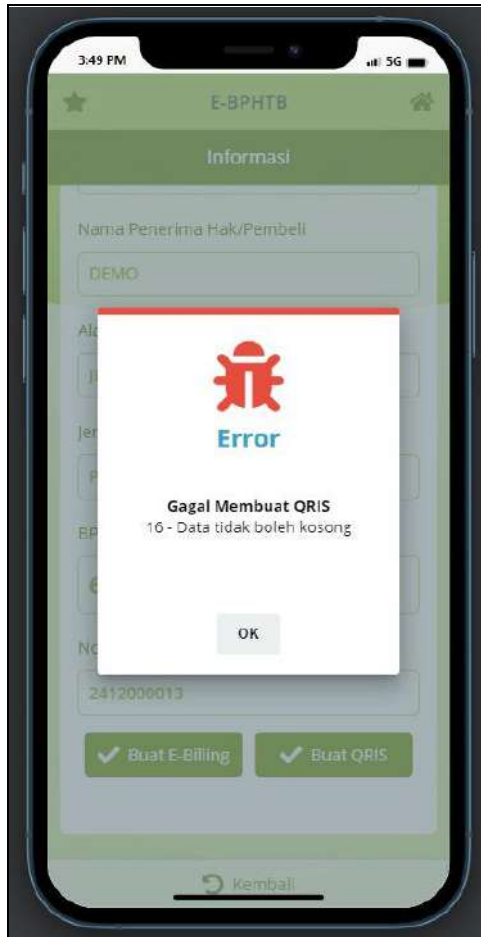
| No.                            | Endpoint                                              | Skenario                                                 | Hasil yang diharapkan |
|--------------------------------|-------------------------------------------------------|----------------------------------------------------------|-----------------------|
| 7.                             | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika parameter request tidak lengkap saat proses request |                       |
| Screenshot Hasil Request (PBB) |                                                       |                                                          |                       |



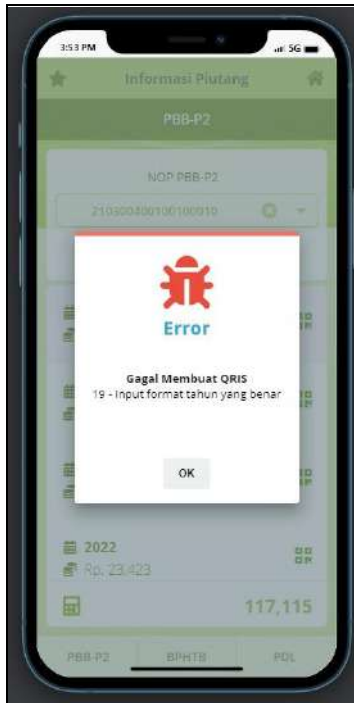
**Screenshot Hasil Request (PDL)**



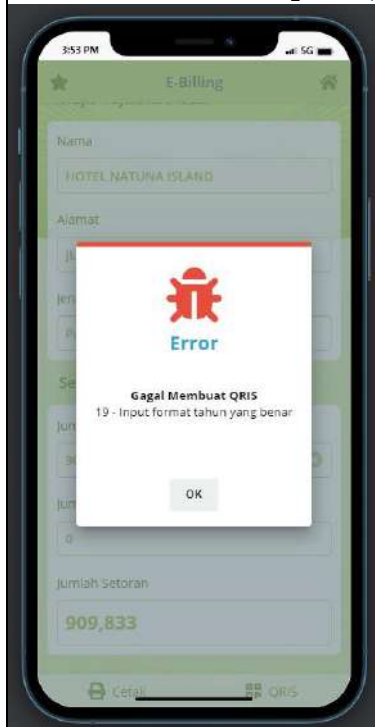
**Screenshot Hasil Request (BPHTB)**



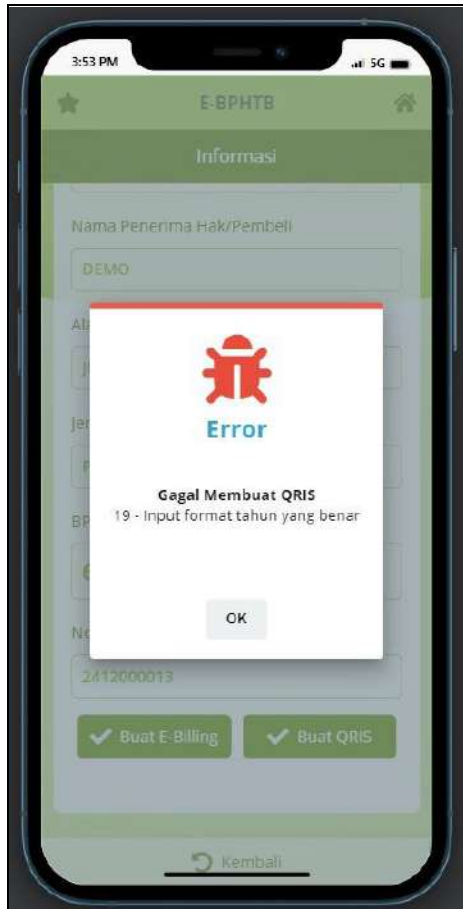
| No.                            | Endpoint                                              | Skenario                                       | Hasil yang diharapkan |
|--------------------------------|-------------------------------------------------------|------------------------------------------------|-----------------------|
| 8.                             | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika user menginputkan format tahun yang salah |                       |
| Screenshot Hasil Request (PBB) |                                                       |                                                |                       |



**Screenshot Hasil Request (PDL)**



**Screenshot Hasil Request (BPHTB)**



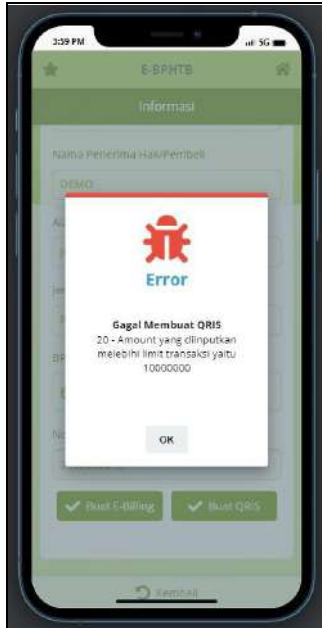
| No.                            | Endpoint                                                                                                                  | Skenario                                                           | Hasil yang diharapkan |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------|
| 9.                             | <a href="http://202.152.22.234:6667/api-webqris-v2/generate-v2">http://202.152.22.234:6667/api-webqris-v2/generate-v2</a> | Jika user menginputkan <i>amount</i> yang melebihi limit transaksi |                       |
| Screenshot Hasil Request (PBB) |                                                                                                                           |                                                                    |                       |



**Screenshot Hasil Request (PDL)**



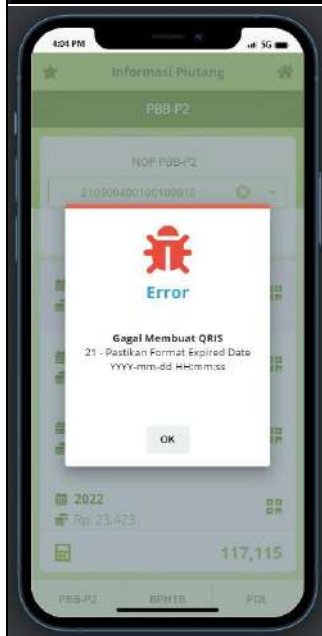
**Screenshot Hasil Request (BPHTB)**



| No. | Endpoint                                                                                                                  | Skenario                                                      | Hasil yang diharapkan |
|-----|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------|
| 10. | <a href="http://202.152.22.234:6667/api-webqris-v2/generate-v2">http://202.152.22.234:6667/api-webqris-v2/generate-v2</a> | Jika format <i>expired date</i> tidak sesuai dengan ketentuan |                       |

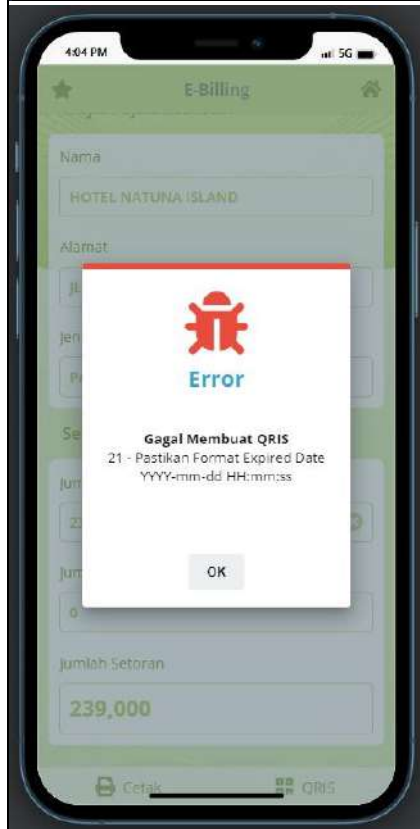
### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, amount=34666, tahun=2016, jenis=1, billNumber=2
103004001001000102016, expiredDate=2024-02-06}
2024-02-06 15:58:40.974 INFO 6979 --- [http-nio-6667-exec-9] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan Format Expired Date YYYY-m
m-dd HH:mm:ss, responseCode=21}
```



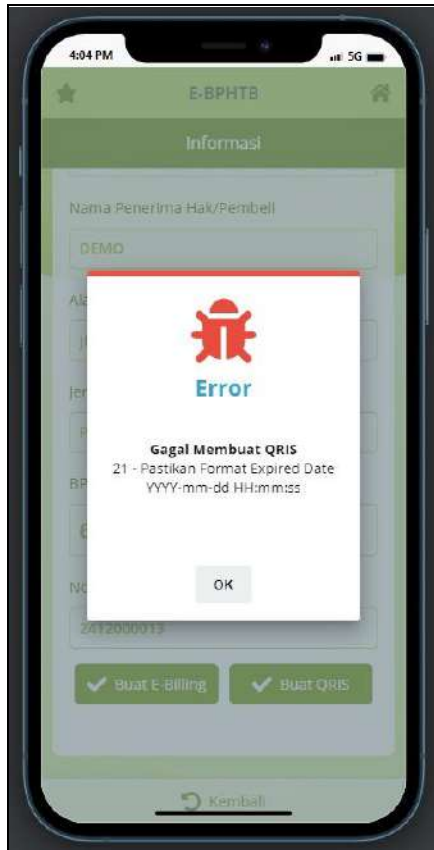
### Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=
HOTEL NATUNA ISLAND, pokok=239000, denda=0, amount=239000, tahun=2024, jenis=2,
billNumber=2124000076, expiredDate=2024-02-06}
2024-02-06 16:00:02.673 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan Format Expired Date YYYY-m
m-dd HH:mm:ss, responseCode=21}
2024-02-06 16:00:33.078 INFO 6979 --- [http-nio-6667-exec-2] c.b.a.s.controllers.
ApiController :
```



### Screenshot Hasil Request (BPHTB)

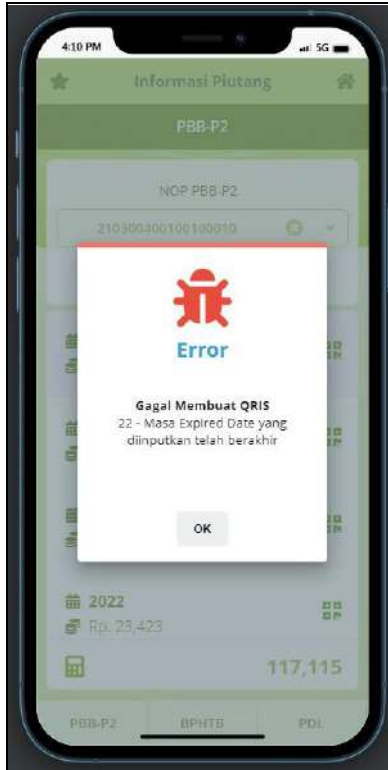
```
##### Request Generate String ##### {nMid=ID1172000200025, namaPelanggan=
DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=4, billNumber=24
12000013, expiredDate=2024-02-06}
2024-02-06 16:00:33.092 INFO 6979 --- [http-nio-6667-exec-2] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Pastikan Format Expired Date YYYY-m
m-dd HH:mm:ss, responseCode=21}
```



| No. | Endpoint                                              | Skenario                                                                   | Hasil yang diharapkan |
|-----|-------------------------------------------------------|----------------------------------------------------------------------------|-----------------------|
| 11. | http://202.152.22.234:6667/api-webqris-v2/generate-v2 | Jika <i>expired date</i> yang diinputkan yaitu sebelum <i>current date</i> |                       |

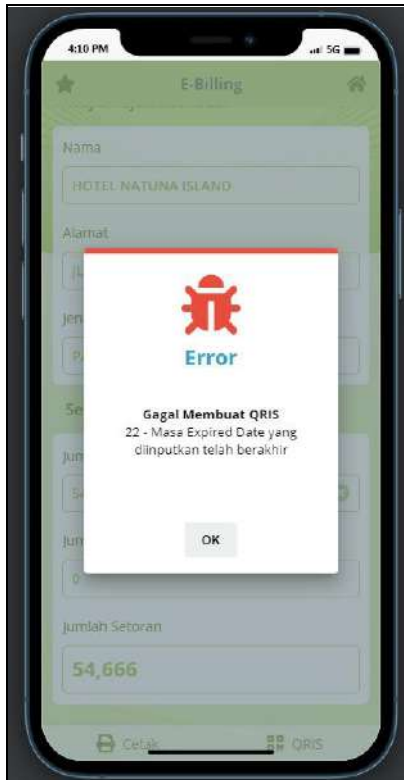
#### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### {nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=23423, denda=11243, amount=34666, tahun=2016, jenis=1, billNumber=2
103004001001000102016, expiredDate=2024-01-06 16:11:21}
2024-02-06 16:05:19.861 INFO 6979 --- [http-nio-6667-exec-5] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Masa Expired Date yang diinputkan t
elah berakhir, responseCode=22}
```



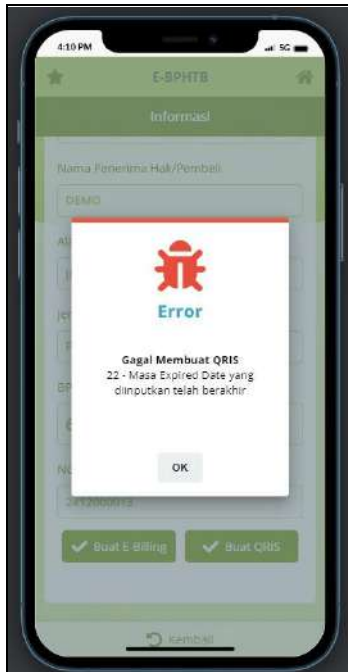
### Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### {nMid=ID1172000200006, namaPelanggan=
HOTEL NATUNA ISLAND, pokok=54666, denda=0, amount=54666, tahun=2024, jenis=2, bi
llNumber=2124000077, expiredDate=2024-01-06 16:12:34}
2024-02-06 16:06:32.748 INFO 6979 --- [http-nio-6667-exec-6] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Masa Expired Date yang diinputkan t
elah berakhir, responseCode=22}
```



### Screenshot Hasil Request (BPHTB)

```
##### Request Generate String ##### {nMIId=ID1172000200025, namaPelanggan=
DEMO, pokok=6250000, denda=0, amount=6250000, tahun=2024, jenis=4, billNumber=24
12000013, expiredDate=2024-01-06 16:13:06}
2024-02-06 16:07:05.256 INFO 6979 --- [http-nio-6667-exec-7] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Masa Expired Date yang diinputkan t
elah berakhir, responseCode=22}
```



| No. | Endpoint                                                                                                                  | Skenario                              | Hasil yang diharapkan |
|-----|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|
| 12. | <a href="http://202.152.22.234:6667/api-webqris-v2/generate-v2">http://202.152.22.234:6667/api-webqris-v2/generate-v2</a> | Minimal Transaksi QRIS yaitu 1 Rupiah |                       |

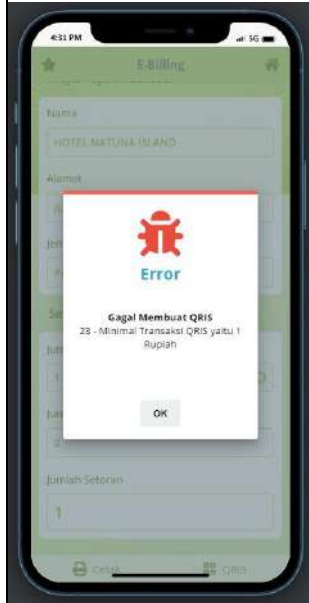
### Screenshot Hasil Request (PBB)

```
##### Request Generate String ##### (nMid=ID1172000200002, namaPelanggan=
IDANG, pokok=0, denda=0, amount=0, tahun=2016, jenis=1, billNumber=2103004001001
000102016, expiredDate=2024-02-06 23:59:59)
2024-02-06 16:25:35.132 INFO 6979 --- [http-nio-6667-exec-7] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### (responseMessage=Minimal Transaksi QRIS yaitu 1 Rupiah,
responseCode=23)
```



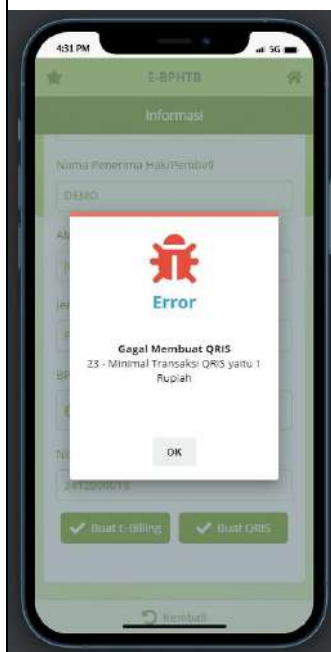
## Screenshot Hasil Request (PDL)

```
##### Request Generate String ##### (nMid=ID1172000200006, namaPelanggan=
HOTEL NATUNA ISLAND, pokok=0, denda=0, amount=0, tahun=2024, jenis=2, billNumber
=2124000078, expiredDate=2024-02-07 00:00:00)
2024-02-06 16:26:24.279 INFO 6979 --- [http-nio-6667-exec-8] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Minimal Transaksi QRIS yaitu 1 Rupia
h, responseCode=23}
```



## Screenshot Hasil Request (BPHTB)

```
##### Request Generate String ##### (nMid=ID11720002000025, namaPelanggan=
DEMO, pokok=0, denda=0, amount=0, tahun=2024, jenis=4, billNumber=2412000013, ex
piredDate=2024-03-07 00:00:00)
2024-02-06 16:28:15.794 INFO 6979 --- [http-nio-6667-exec-1] c.b.a.s.impl.Merch
antInfoServiceImpl :
##### Response ##### {responseMessage=Minimal Transaksi QRIS yaitu 1 Rupia
h, responseCode=23}
```



| No. | Endpoint                                                                         | Skenario                                               | Hasil yang diharapkan |
|-----|----------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|
| 13. | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | Jika parameter <i>grant-type</i> yang diinputkan salah |                       |

#### Screenshot Hasil Request



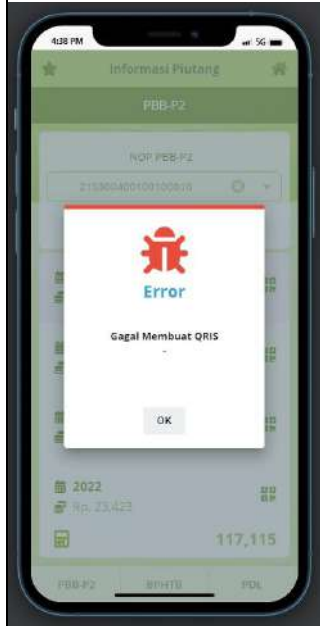
| No. | Endpoint                                                                         | Skenario                                              | Hasil yang diharapkan |
|-----|----------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|
| 14. | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | Jika parameter <i>client_id</i> yang diinputkan salah |                       |

#### Screenshot Hasil Request



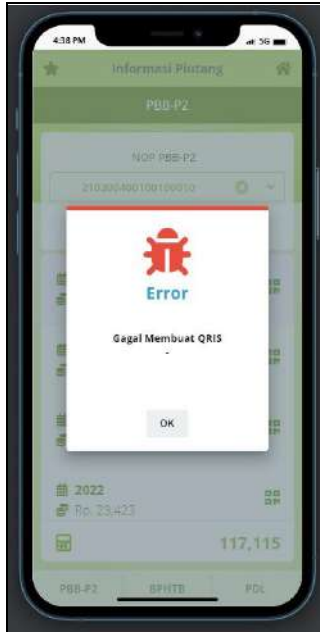
| No. | Endpoint                                                                         | Skenario                                           | Hasil yang diharapkan |
|-----|----------------------------------------------------------------------------------|----------------------------------------------------|-----------------------|
| 15. | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | Jika parameter client_secret yang diinputkan salah |                       |

#### Screenshot Hasil Request



| No. | Endpoint                                                                         | Skenario                                                 | Hasil yang diharapkan |
|-----|----------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------|
| 16. | http://202.152.22.234:6060/auth/realms/h2h-webqris/protocol/openid-connect/token | Jika parameter username / password yang diinputkan salah |                       |

#### Screenshot Hasil Request



#### 4. *Flagging* Pembayaran PBB

| No. | <i>Id Billing</i>      | Hasil yang diharapkan                                                         |
|-----|------------------------|-------------------------------------------------------------------------------|
| 1.  | 2103004001001000102016 | Berhasil mengirimkan status terbayar ke <i>endpoint</i> pembayaran PBB Natuna |

Hasil Generate QRIS



#### 5. *Flagging* Pembayaran PDL

| No. | <i>Id Billing</i> | Hasil yang diharapkan                                                         |
|-----|-------------------|-------------------------------------------------------------------------------|
| 1.  | 2124000080        | Berhasil mengirimkan status terbayar ke <i>endpoint</i> pembayaran PDL Natuna |

Hasil Generate QRIS



## 6. *Flagging* Pembayaran BPHTB

| No. | <i>Id Billing</i> | Hasil yang diharapkan                                                         |
|-----|-------------------|-------------------------------------------------------------------------------|
| 1.  | 2412000013        | Berhasil mengirimkan status terbayar ke <i>endpoint</i> pembayaran PDL Natuna |

Hasil Generate QRIS

