

TECHNICAL SPECIFICATION DOCUMENT

API MANAGEMENT– SERVICE PEMINDAHBUKUAN



I. REVISION HISTORY

Date	Author	Revision
^{12th} February 2020	Syarif Hidayat	Create Doc v 1.0
^{22nd} February 2020	Syarif Hidayat	Update Reversal Service
^{30th} June 2020	Syarif Hidayat	Update Body Response STAN, Retrieval Reference Number, Settlement Date

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II. INTRODUCTION

Mashery® adalah platform API yang memiliki kemampuan manajemen untuk pembuatan API, pengemasan, pengujian, dan pengelolaan API juga untuk komunitas pengembang (Developer) .

Manajemen API memungkinkan PT. Bank DKI atau pengembang (Developer) yang menerbitkan (publish) atau menggunakan API untuk memonitor dan memastikan bahwa API bekerja dengan baik.

2.1 SECURITY

OAuth 2.0

HTTP Methode	POST
Content Type	application/json
Authorization	OAuth 2.0
Token Name	Pemindahbukuan oauth2
Access Token URL	https://dev.bankdki.co.id/pemindahbukuan-oauth2
Client ID	Length24 (didapatkan dari get api key)
Client Secret	Length10 (didapatkan dari get api key)
Grant Type	Client Credential
Access Token TTL (time to live)	1800 seconds (default)
Access Token Type	Bearer
Token Key	Header

2.2 ENDPOINT KEY & METHOD DETECTION

Link Service/Aplikasi	HTTP, HTTPS
Endpoint Type	REST, SOAP, JSON-RPC, XML-RPC, OTHER
Supported Http Methods	GET, POST, PUT, DELETE, HEAD, OPTION, PATCH
Methode Location	PATH, PARAMETERS, HEADER, REQUEST BODY, CUTOM
Time to wait for a response from endpoint	Enter time (in seconds) to wait for a response from the endpoint. Only the following values can be entered in the field: 2, 5, 10, 20, 30, 45, 60, 120, 300, 600, 900, and 1200
Seconds to attempt initial connection to endpoint	Enter time (in seconds) for which an attempt of initial connection to the endpoint can be made. Only the following values can be entered in the field: 2, 5, 10, 20, 30, 45, and 60.

2.3 API PACKAGES

Rate Limits

Throttle / TPS	Enter a throttle limit for the package keys. Throttle is the limit of number of calls per second.
Quota	Allow the throttle (queries per second) settings for package keys to override the limits set in this plan.
Quota Period (Minute, Hour, Day, Month)	Enter a number that is the upper limit of calls that a package key can make in the given time period.

2.4 Error Message

Code	400, 403, 502, etc
Status	Set status message for the error.
Header	Set information to be placed in the response header for an error.
Response Body	Set information to be placed in the response body for an error

III. SERVICE API MANAGEMENT PLATFORM

3.1 API Management Service

No	Task Service	Content Type	Method	URL
1	Pemindahbukuan	application/json	POST	https://dev.bankdki.co.id/pemindahbukuan
2	Pemindahbukuan Reversal	application/json	POST	https://dev.bankdki.co.id/pemindahbukuan-reversal

3.2 Token Link OAuth2

Authorization	Oauth2
Token URL	https://dev.bankdki.co.id/pemindahbukuan-oauth2
Client ID	Length24 (didapatkan dari get api key)
Client Secret	Length10 (didapatkan dari get api key)
Grant Type	Client Credentials

3.3 API Management Service Link (OAuth2)

No	Task Service	Content Type	Method	URL Lokal Service	URL Mashery
1	Pemindahbukuan	application/json	POST	http://10.32.3.42:8091/PinBookPayment	https://dev.bankdki.co.id/pemindahbukuan
2	Pemindahbukuan Reversal	application/json	POST	http://10.32.3.42:8091/PinBookReversal	https://dev.bankdki.co.id/pemindahbukuan-reversal

IV. SERVICE REQUEST AND RESPONSE

4.1 PEMINDAHBUKUAN

CASE PEMINDAHBUKUAN DENGAN FEE TRANSACTION

Content-Type	application/json
HTTP Method	POST
URL	https://dev.bankdki.co.id/pemindahbukuan
Request Sample	<pre>{ "AMOUNT": "000000100000", "TRANSMISSION_DATETIME": "0706091800", "SETTLEMENT_DATE": "0706", "CA_TERMINAL_ID": "GTL00911", "CA_ID": "JAKONE", "LOCATION_NAME": "BANK DKI-HEADQUARTERS", "TRANSMISSION_YEAR": "2020", "FEE_TRANSACTION": "5000", "DEST_ACCOUNT": "10120108570", "DEST_FEE_ACCOUNT": "10120108855", "SRC_ACCOUNT": "10120108341", "DESCRIPTION": "Test-Pemindahbukuan" }</pre>
Response Sample	<pre>{ "STAN": "553600", "RETRIEVAL_REFERENCE_NUMBER": "228795189214", "AMOUNT": "000000100000", "TRANSMISSION_DATETIME": "0706091800", "SETTLEMENT_DATE": "0706", "RESPONSE_CODE": "00", "CA_TERMINAL_ID": "GTL00911", "CA_ID": "JAKONE", "LOCATION_NAME": "BANK DKI-HEADQUARTERS", "TRANSMISSION_YEAR": "2020", "FEE_TRANSACTION": "5000", "DEST_ACCOUNT": "10120108570", "DEST_FEE_ACCOUNT": "10120108855", "SRC_ACCOUNT": "10120108341", "PRIVATE_120": "Test-Pemindahbukuan" 04041910120108341000000100000031910120108570000000100000045510120108341000000005000035510120108855000000005000" }</pre>

CASE PEMINDAHBUKUAN TANPA FEE TRANSACTION

Content-Type	application/json
HTTP Method	POST
URL	https://dev.bankdki.co.id/pemindahbukuan
Request Sample	<pre>{ "AMOUNT": "000000050000", "TRANSMISSION_DATETIME": "0706091800", "SETTLEMENT_DATE": "0706", "CA_TERMINAL_ID": "GTL00911", "CA_ID": "JAKONE", "LOCATION_NAME": "BANK DKI-HEADQUARTERS", "TRANSMISSION_YEAR": "2020", "FEE_TRANSACTION": "0", "DEST_ACCOUNT": "10120108570", "SRC_ACCOUNT": "10120108341", "DESCRIPTION": "Test-Pemindahbukuan" }</pre>
Response Sample	<pre>{ "STAN": "576871", "RETRIEVAL_REFERENCE_NUMBER": "266403022038", "AMOUNT": "000000050000", "TRANSMISSION_DATETIME": "0706091800", "SETTLEMENT_DATE": "0706", "RESPONSE_CODE": "00", "CA_TERMINAL_ID": "GTL00911", "CA_ID": "JAKONE", "LOCATION_NAME": "BANK DKI-HEADQUARTERS", "TRANSMISSION_YEAR": "2020", "FEE_TRANSACTION": "0", "DEST_ACCOUNT": "10120108570", "SRC_ACCOUNT": "10120108341", "PRIVATE_120": "Test-Pemindahbukuan 02041910120108341000000050000031910120108570000000050000" }</pre>

CASE PEMINDAHBUKUAN TIME OUT/HOST NO RESPONE

Content-Type	application/json
HTTP Method	POST
URL	https://dev.bankdki.co.id/pemindahbukuan
Request Sample	<pre>{ "AMOUNT": "000000070000", "TRANSMISSION_DATETIME": "0706091800", "SETTLEMENT_DATE": "0706", "CA_TERMINAL_ID": "GTL00911", "CA_ID": "JAKONE", "LOCATION_NAME": "BANK DKI-HEADQUARTERS", "TRANSMISSION_YEAR": "2020", "FEE_TRANSACTION": "5000", "DEST_ACCOUNT": "10120108570", "DEST_FEE_ACCOUNT": "10120108855", "SRC_ACCOUNT": "10120108341", "DESCRIPTION": "Test-Pemindahbukuan" }</pre>
Response Sample	<pre>{ "STAN": "396625", "RETRIEVAL_REFERENCE_NUMBER": "190981659540" }</pre>

4.2 PEMINDAHBUKUAN REVERSAL

Content-Type	application/json
HTTP Method	POST
URL	https://dev.bankdki.co.id/pemindahbukuan-reversal
Request Sample	<pre>{ "STAN": "396625", "AMOUNT": "000000070000", "TRANSMISSION_DATETIME": "0706091800", "SETTLEMENT_DATE": "0706", "RETRIEVAL_REFERENCE_NUMBER": "190981659540", "CA_TERMINAL_ID": "GTL00911", "CA_ID": "JAKONE", "LOCATION_NAME": "BANK DKI-HEADQUARTERS", "TRANSMISSION_YEAR": "2020", "FEE_TRANSACTION": "5000", "DEST_ACCOUNT": "10120108570", "DEST_FEE_ACCOUNT": "10120108855", "SRC_ACCOUNT": "10120108341", "DESCRIPTION": "REV-Test-Pemindahbukuan" }</pre>
Response Sample	<pre>{ "STAN": "396625", "AMOUNT": "000000070000", "TRANSMISSION_DATETIME": "0706091800", "RESPONSE_CODE": "00", "CA_TERMINAL_ID": "GTL00911", "CA_ID": "JAKONE", "LOCATION_NAME": "BANK DKI-HEADQUARTERS", "TRANSMISSION_YEAR": "2020", "FEE_TRANSACTION": "5000", "DEST_FEE_ACCOUNT": "10120108855", "PRIVATE_120": "REV-Test-Pemindahbukuan" 040419101201083410000000700000319101201085700000000700000455101201083410000000700000355101201088550000000700000" }</pre>

V. DETAIL

5. DETAIL BODY JSON

5.1 DE PEMINDAHBUKUAN

Data Element Name	Format	Attribute	Keterangan
AMOUNT	N 12	-	Nominal Amount to be paid (Zeropad)
TRANSMISSION DATE & TIME	N 10	MMDDhhmmss	Date and Time (Time Stamp)
SYSTEM TRACE AUDIT NUMBER	Fix length	N12	-
SETTLEMENT DATE	N 4	MMDD	Settlement Date
RETRIEVAL REFERENCE NUMBER	AN 12	-	Random number
CARD ACCEPTOR TERMINAL IDENTIFICATION	ANS 8	-	GTL00+(3 first digit of destination account number)
CARD ACCEPTOR IDENTIFICATION CODE	ANS 15	-	-
LOCATION	ANS 40	-	Location
TRANSMISSION YEARS	ANS 4	-	Current year
FEE TRANSACTION	AN...999	-	Amount
DESTINATION ACCOUNT	ANS...999	-	Aggregator Account
DESTINATION FEE ACCOUNT	ANS...999	-	Aggregator Admin Account
SOURCE ACCOUNT	ANS...999	-	Customer Account
RESERVED (PRIVATE)	ANS...999	LLLVAR	Transaction Description (length 50)

5.2 DE PEMINDAHBUKUAN REVERSAL

Data Element Name	Format	Attribute	Keterangan
SYSTEM TRACE AUDIT NUMBER	Fix length	N12	-
AMOUNT	N 12	-	Nominal Amount to be paid (Zeropad)
TRANSMISSION DATE & TIME	N 10	MMDDhhmmss	Date and Time (Time Stamp)
SETTLEMENT DATE	N 4	MMDD	Settlement Date
RETRIEVAL REFERENCE NUMBER	AN 12	-	Random number
CARD ACCEPTOR TERMINAL IDENTIFICATION	ANS 8	-	GTL00+(3 first digit of destination account number)
CARD ACCEPTOR IDENTIFICATION CODE	ANS 15	-	-
LOCATION	ANS 40	-	Location
TRANSMISSION YEARS	ANS 4	-	Current year
FEE TRANSACTION	AN...999	-	Amount
DESTINATION ACCOUNT	ANS...999	-	Aggregator Account
DESTINATION FEE ACCOUNT	ANS...999	-	Aggregator Admin Account
SOURCE ACCOUNT	ANS...999	-	Customer Account
RESERVED (PRIVATE)	ANS...999	LLLVAR	Transaction Description (length 50)