| **No.** | **Request** | **Endpoint** | **Keterangan** |
| --- | --- | --- | --- |
| 1 | **POST** | http://api.ut.petrolab.co.id/users/login | Login |
| **Request data:** | |
| 2 | **GET** | https://ut.petrolab.co.id/api/transaction/unit/summary?username=*{username}* | Transaction unit status summary |
| 3 | **POST** | https://ut.petrolab.co.id/api/transaction?page=*{number of page (integer start from 0)}*&username=*{username}* | List of transactions |
| **Request data:** | |
| 4 | **POST** | https://ut.petrolab.co.id/api/transaction/default/search?username=*{username}*&labnumber=*{labNumber}* | Search transaction by lab number |
| 5 | **GET** | http://api.ut.petrolab.co.id/transaction/detail/{*labNumber*} | Transaction detail |
| 6 | **GET** | https://ut.petrolab.co.id/report/show/pdf?token={*tokenKey*} | Report PDF |

Berikut list response field yang akan digunakan pada tiap endpoint di atas.

| **Endpoint No.** | **Response field** | **Keterangan** |
| --- | --- | --- |
| **1** | **Login** | |
| “token\_key” | Token Key String? |
| “user”: {“nama”} | Name String? |
| “user”:{“username”} | Username String? |
| **2** | **Transaction unit summary** | |
| “data”: {”total\_normal”} | Total unit with Normal status (warna hijau) int? |
| “data”: {”total\_caution”} | Total unit with Caution status (warna kuning) int? |
| “data”: {”total\_critical”} | Total unit with normal status (warna merah) int? |
| “data”: {”total\_severe”} | Total unit with normal status (warna hitam) int? |
| **3** | **List of transactions** | |
| “Lab\_No” | Lab Number String? |
| “EVAL\_CODE” | Urgent status String?  *Keterangan:*   * “A”/”N” = Normal [biru], * “B” = Caution [kuning], * “C” = Critical [merah], * “D” = Severe [hitam], * “AN”/null = Undefined [abu] |
| “name” | Customer name String? |
| “MODEL” | Unit model String? |
| “UNIT\_NO” | Unit number String? |
| “COMPONENT” | Component String? |
| “SAMPL\_DT1” | Sample date String? |
| “RPT\_DT1” | Report date String? |
| **4** | **Search transaction by lab number** | |
| *Sama seperti list of transactions* | |
| **5** | **Transaction detail** | |
| “lab\_no” | Lab Number String? |
| “eval\_code” | Urgent status String?  *Keterangan:*   * “A”/”N” = Normal [biru], * “B” = Caution [kuning], * “C” = Critical [merah], * “D” = Severe [hitam], * “AN”/null = Undefined [abu] |
| “name” | Customer name String? |
| “unit”: {“unitlocation”} | Unit location String? |
| “unit”: {“model”} | Unit model String? |
| “add\_met” | Serial number String? |
| “unit”: {“unitno”} | Unit number String? |
| “component” | Component String? |
| “matrix” | Component matrix String? |
| “oil\_matrix” | Oil matrix String? |
| “recomm1” | Recommend 1 String? |
| “recomm2” | Recommend 2 String? |
| **6** | **Report PDF** | |
| PDF |  |

| **Detail akun untuk login:** | |
| --- | --- |
| Username : | demo |
| Password : | percobaan\_akun |

| **Username khusus untuk *endpoint API no. 2* :** | RMLTRK |
| --- | --- |
| **Note:**  Untuk *username* yang lain, bisa menggunakan username akun untuk login “demo”. Dan untuk search *labnumber*, bisa memacu dari salah satu respond di *endpoint API no. 3* | |

## **Functionality requirements:**

* Authentication: Login dan Logout screen
* Simple dashboard screen
* List of transactions with search filter and pagination
* Transaction detail screen
* PDF preview

### **Details:**

* Saat *login*, *response* *message* berisi *login detail* akan muncul. Ambil username, nama, dan token\_key lalu simpan di *local data*.
* Untuk *logout* functionality: hapus semua local data lalu kembali ke *login screen*.
* Tampilkan menu menuju ke *transaction list* dan *pie chart* yang menampilkan *unit summary status* pada *dashboard*.
* Terapkan *search functionality* dan *pagination* pada *transaction list screen.*
* Detail screen hanya menampilkan transaction detail dan tombol action pada app bar untuk menuju ke PDF preview.
* PDF preview screen dapat melihat dan share dalam bentuk PDF file atau bisa juga dalam bentuk link yang dapat dibuka di browser