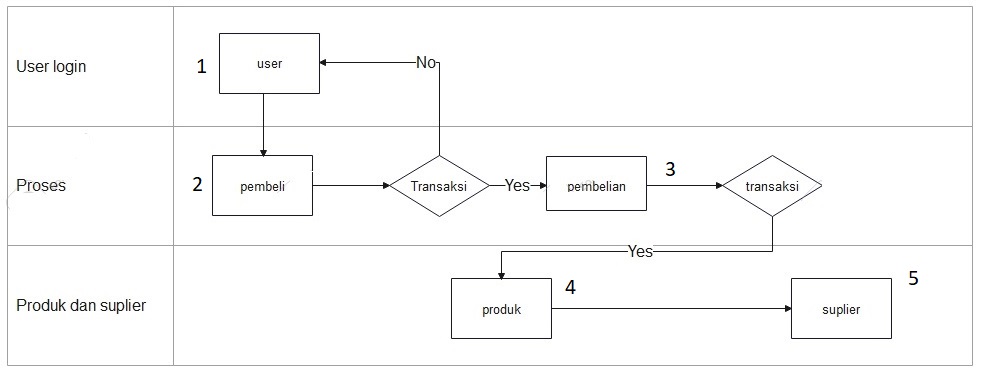
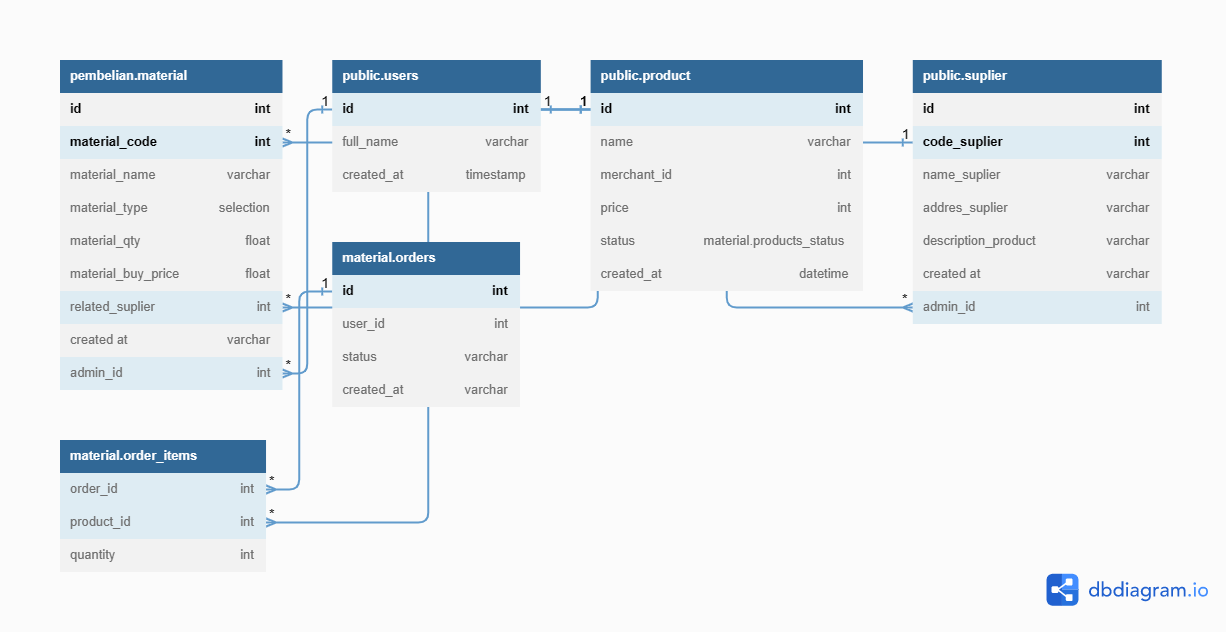
1.



|  |  |
| --- | --- |
| **Entitas** | **Atribut** |
| users | id int  full\_name varchar  created\_at timestamp |
| pembelian.material | id int  material\_code int  material\_name varchar  material\_type selection  material\_qty float  material\_buy\_price float  related\_suplier int  created\_at varchar |
| product | id int  name varchar  merchant\_id  price int  status  created\_at datetime |
| suplier | id int  code\_suplier int  name\_suplier varchar  addres\_suplier varchar  description\_product varchar  created\_at varchar |

2.



3.

**//// -- LEVEL 1**

Table pembelian.material {

id int

material\_code int

material\_name varchar

material\_type selection

material\_qty float

material\_buy\_price float

related\_suplier int

"created at" varchar

admin\_id int [ref: > U.id]

Indexes {

(id, material\_code) [pk]

}

}

Ref: pembelian.material.material\_code > product.id // many-to-one

Ref: pembelian.material.related\_suplier > suplier.code\_suplier

Table users as U {

id int [pk, increment] // auto-increment

full\_name varchar

created\_at timestamp

}

**//// -- LEVEL int2**

Table product {

id int [pk]

name varchar

merchant\_id int [not null]

price int

status material.products\_status

created\_at datetime [default: `now()`]

Indexes {

(merchant\_id, status) [name:'product\_status']

id [unique]

}

}

Table suplier {

id int

code\_suplier int [pk]

name\_suplier varchar

addres\_suplier varchar

description\_product varchar

"created at" varchar

admin\_id int [ref: > U.id]

Indexes {

(id, code\_suplier) [pk]

}

}

Table material.order\_items {

order\_id int [ref: > material.orders.id] // inline relationship (many-to-one)

product\_id int

quantity int [default: 1] // default value

}

Ref: material.order\_items.product\_id > product.id

Table material.orders {

id int [pk] // primary key

user\_id int [not null, unique]

status varchar

created\_at varchar [note: 'When order created'] // add column note

}

**//// -- LEVEL int3**

Enum material.products\_status {

out\_of\_stock

in\_stock

running\_low [note: 'less than 100'] // add column note

}

4.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | No jalur | Data imput | Hasil yang diharapkan | Hasil pengujian | status |
| 1 | 1-2-3-4-5 | Material code  Material name  Material type  Material quantity  Material harga  Material suplier | Diharapkan user dapat melakukan pembelian material dimana data product dan supiler terdaftar di dalam database | User dapat melakukan pembelian material dengan memilih produk dang supplier yang sesuai | valid |
| 2 | 1-2-3-4-5 | Material code  Material name  Material type  Material quantity  Material harga  Material suplier | Diharapkan dapat menampilkan hasil dari pembelian material yang dilakukan | User dapat melihat pembelian yang dilakukan | valid |
| 3 | 1-2-3-4-5 | Material code  Material name  Material type  Material quantity  Material harga  Material suplier | Diharapkan user dapat melaukan update data pembelian | User dapat melakukan update pembelian | valid |
| 4 | 1-2-3-4-5 | Material code  Material name  Material type  Material quantity  Material harga  Material suplier | Diharapkan user dapat menghapus data pembelian yang dibatalkan | User dapat melakukan penghapusan data pembelian | valid |
| 5 | 1-2-3-4-5 | Material code  Material name  Material type  Material quantity  Material harga  Material suplier | Diharapkn dalam melakukan proses pembelian semua informasi harus terisi (mandatory)dan nilai price harus melebihi 100 | Dapat terisi semua kolom, alert price juga muncul jika nilainya < 100 | valid |