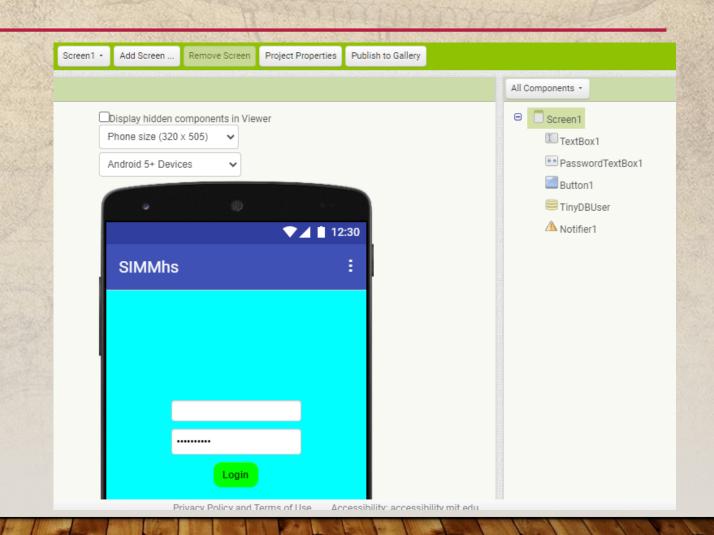


# TUJUAN PRAKTIKUM

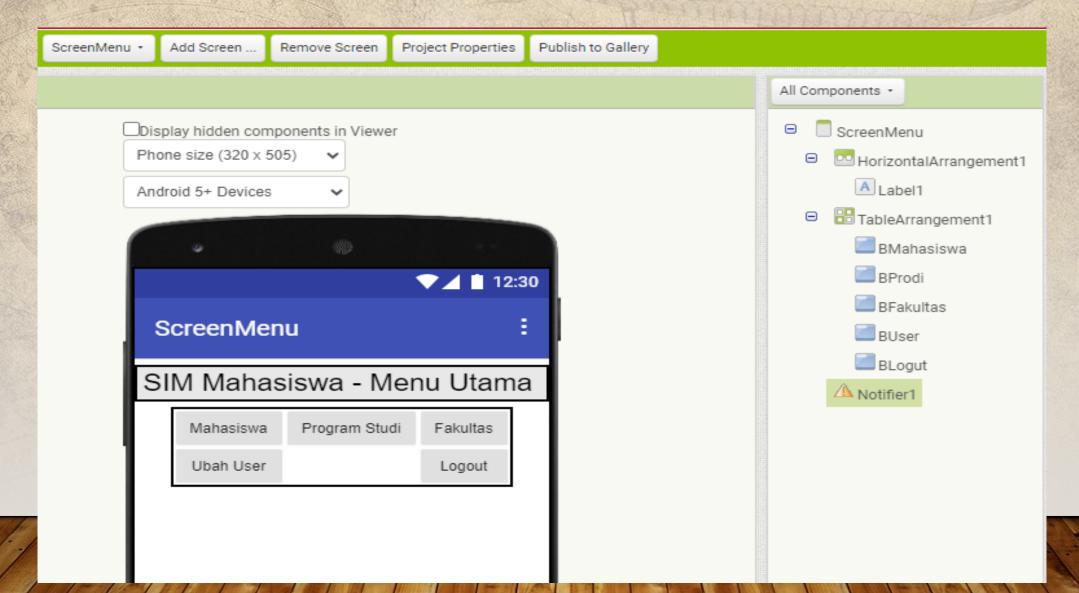
- Membuat Desain Apk Sistem Informasi Mahasiswa Sederhana
- Ada 5 Screen :
  - Screen I untuk login
  - ScreenMenu untuk menu utama
  - ScreenFakultas untuk pengelolaan tabel fakultas
  - ScreenProdi untuk pengelolaan tabel prodi
  - ScreenMahasiswa untuk pengelolaan tabel mahasiswa
  - ScreenUser untuk mengubah password user
- Untuk login menggunakan TinyDb dengan tag: User dan value: Password

## DESAIN SCREEN I

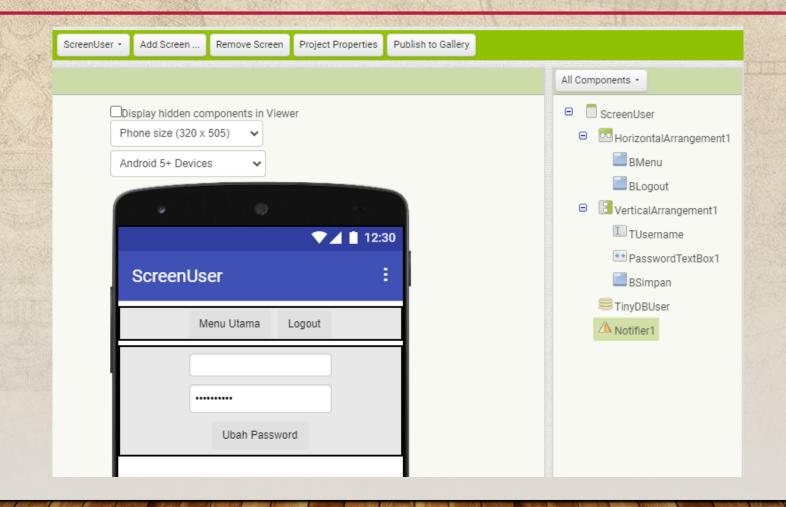
- Komponen pada Screen 1:
  - I Textbox
  - I PasswordTextBox
  - I Button
  - I TinyDBUser
  - I Notifier
- Tampilan boleh dimodifikasi sesuai keinginan anda.



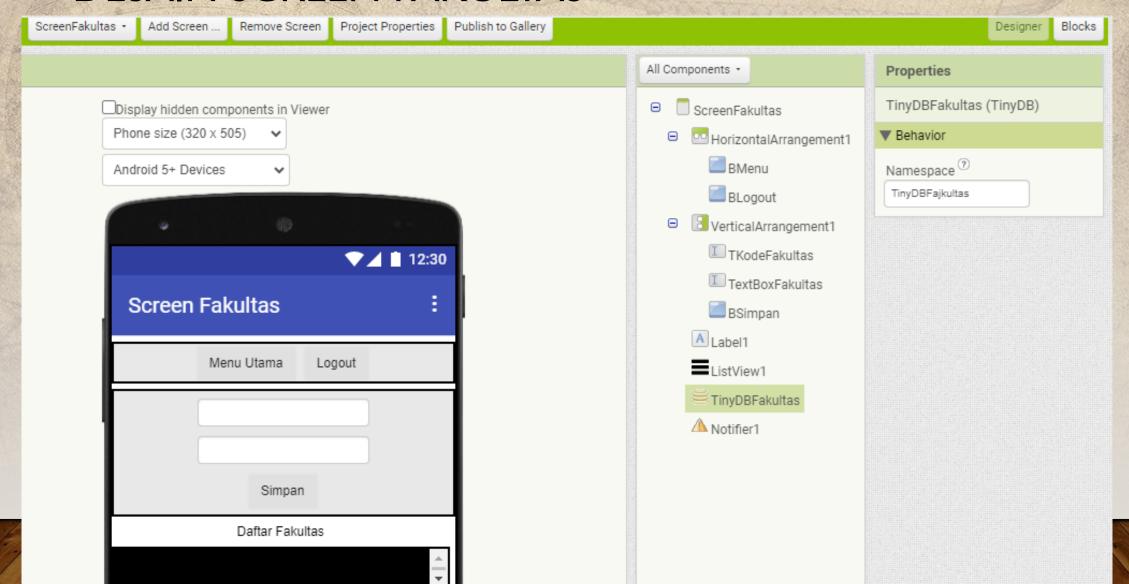
## **DESAIN SCREENMENU**



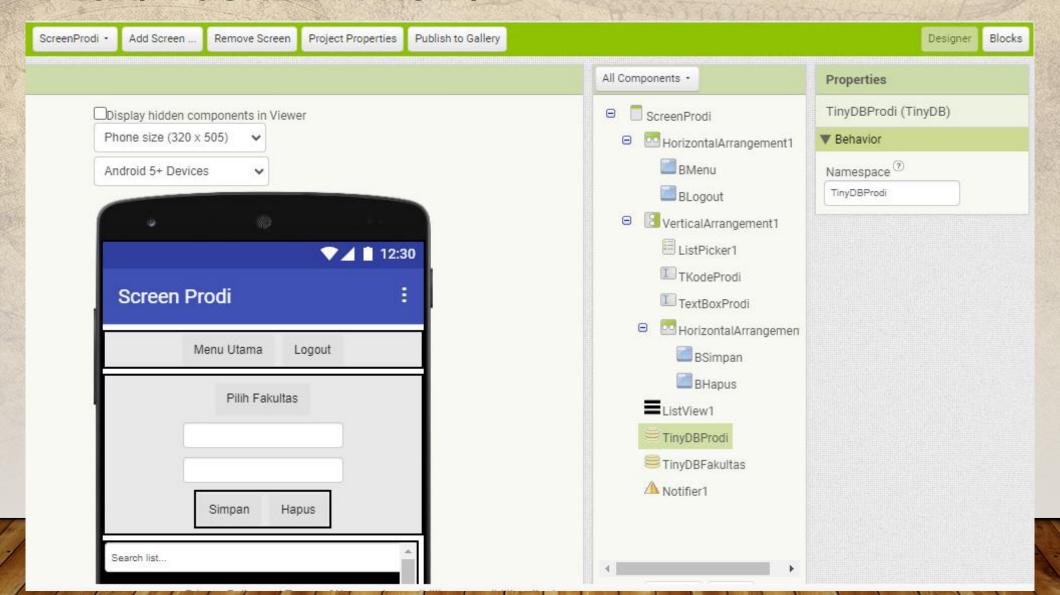
## **DESAIN SCREENUSER**



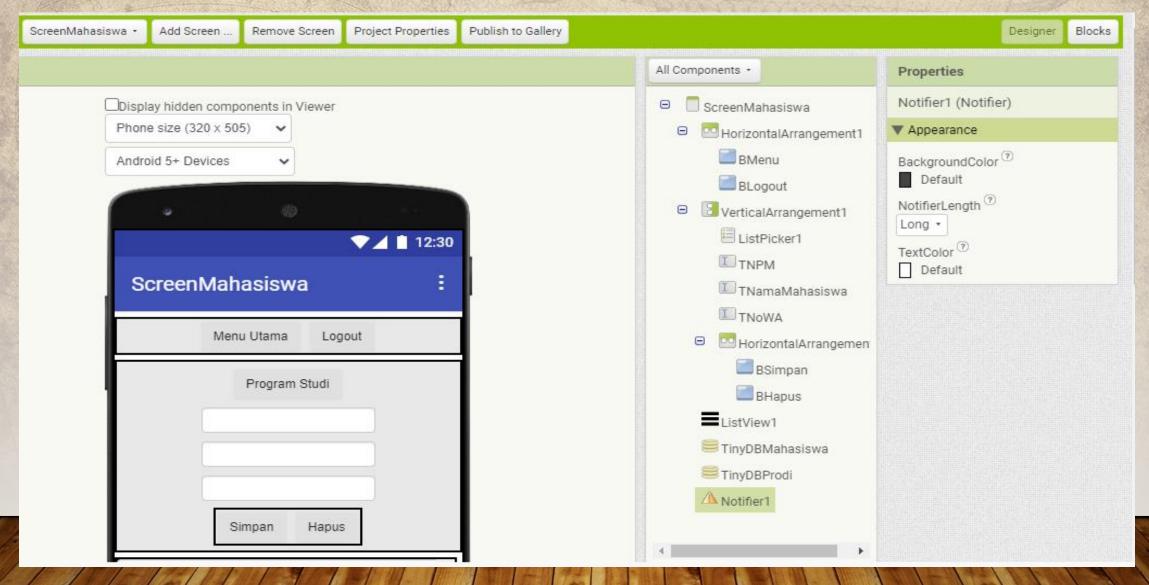
## DESAIN SCREEN FAKULTAS



## DESAIN SCREEN PRODI



## DESAIN SCREEN MAHASISWA

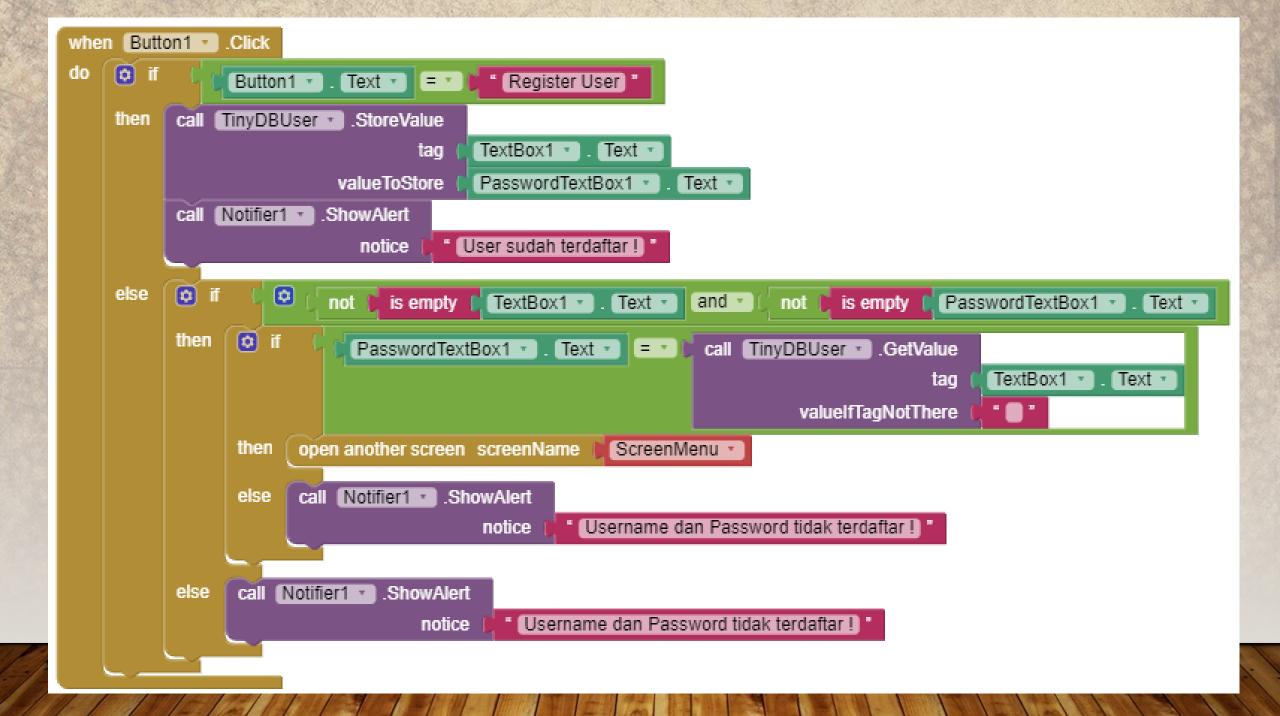


#### KODE BLOCK SCREEN I

```
when Screen1 .Initialize

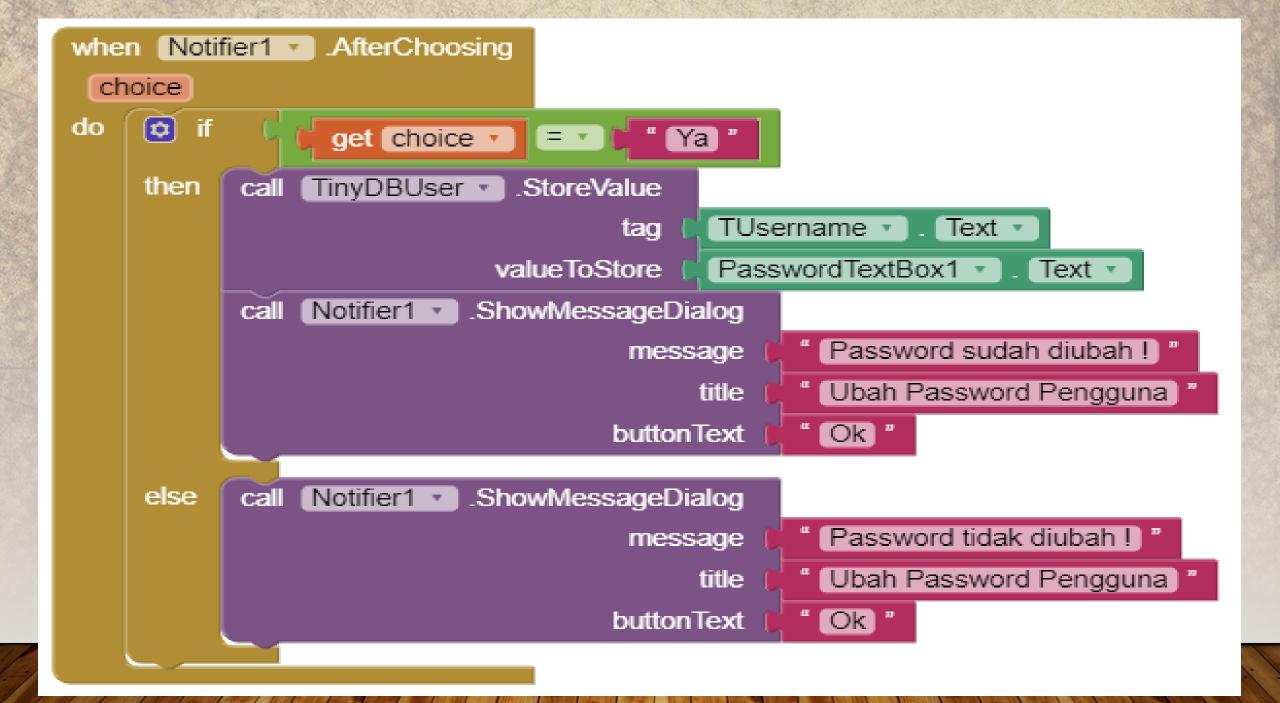
do if is list empty? list call TinyDBUser .GetTags
then set Button1 . Text to "Register User"

else set Button1 . Text to "Login"
```



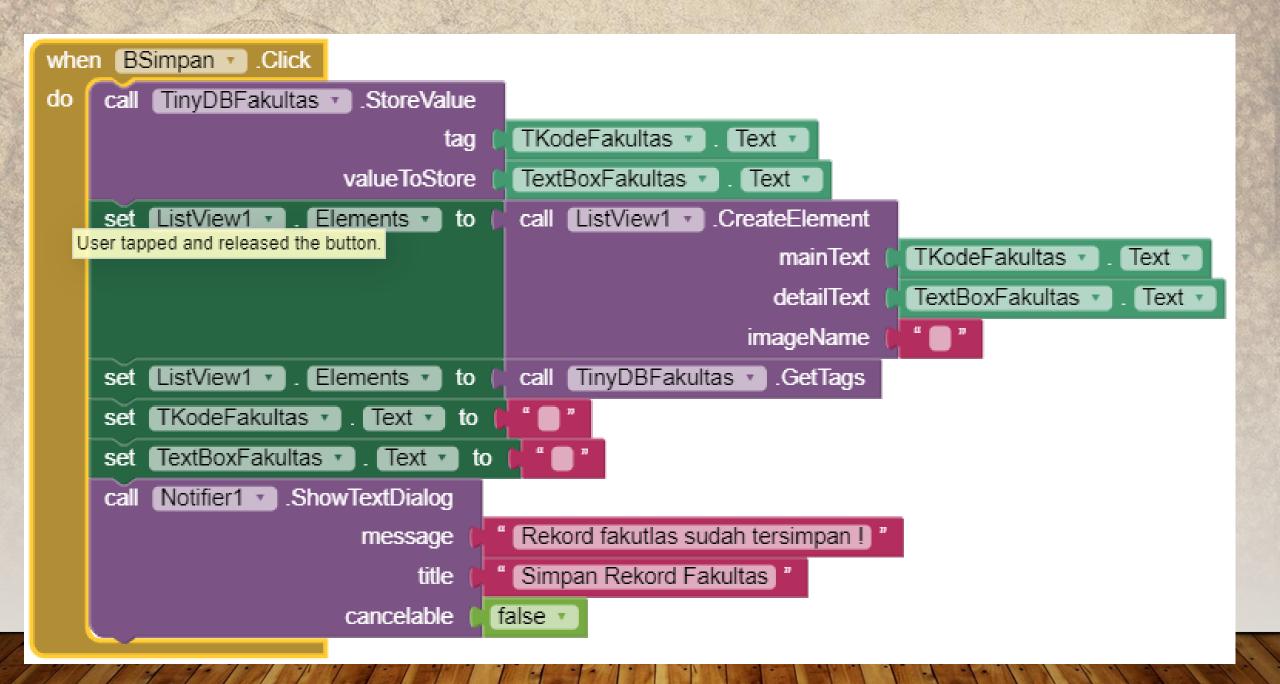
#### KODE BLOCK SCREEN USER

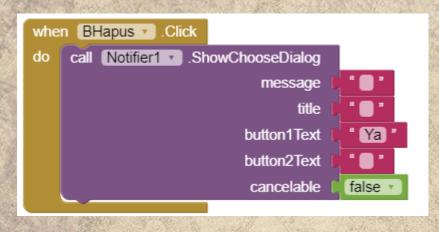
```
when ScreenUser .Initialize
                                         when BLogout . Click
    call TUsername . RequestFocus
do
                                         do
                                              open another screen screenName
                                                                              Screen1 •
     BMenu .Click
when
    open another screen screenName
                                    ScreenMenu •
do
when TUsername . TextChanged
    set PasswordTextBox1 Text
do
                                    to Call TinyDBUser •
                                                            .GetValue
                                                                        TUsername *
                                                                                      Text
                                                                 tag
                                                    valuelfTagNotThere
when BSimpan . Click
        Notifier1 .ShowChooseDialog
do
                                         Apakah anda yakin akan mengubah passwordnya? "
                             message
                                         Ubah Password Pengguna
                                  title
                           button1Text
                                         Ya "
                           button2Text
                                         Tidak
                                        false •
                           cancelable
```

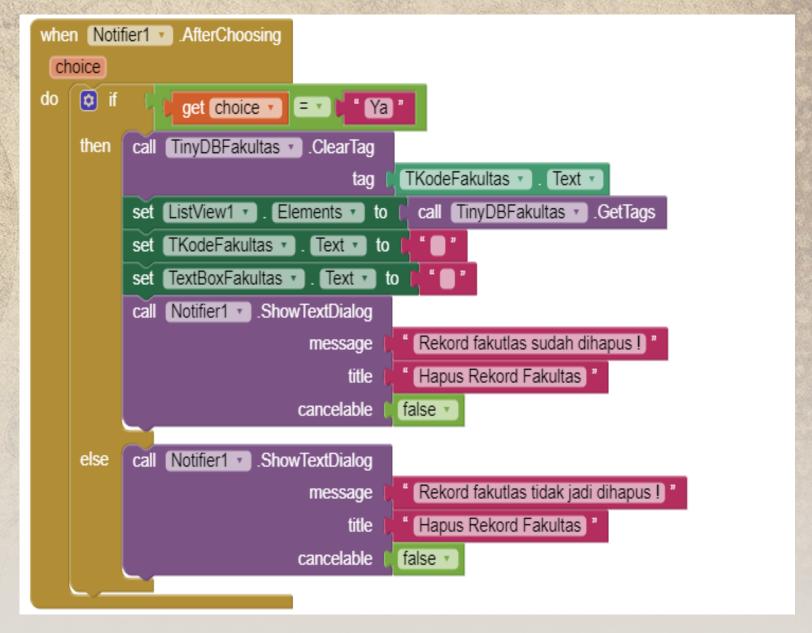


#### KODE BLOCK SCREEN FAKULTAS

```
ScreenFakultas .Initialize
    set ListView1 •
                     Elements •
                                 to ( call TinyDBFakultas .GetTags
when BMenu .Click
    open another screen screenName | ScreenMenu >
when BLogout . Click
    open another screen screenName
                                     Screen1 •
when ListView1 ▼ .AfterPicking
    set TKodeFakultas . Text to
                                       ListView1 •
                                                    Selection •
    set TextBoxFakultas . Text to
                                        call TinyDBFakultas .GetValue
                                                                         ListView1
                                                                                      Selection
                                                                   tag
                                                     valuelfTagNotThere
```

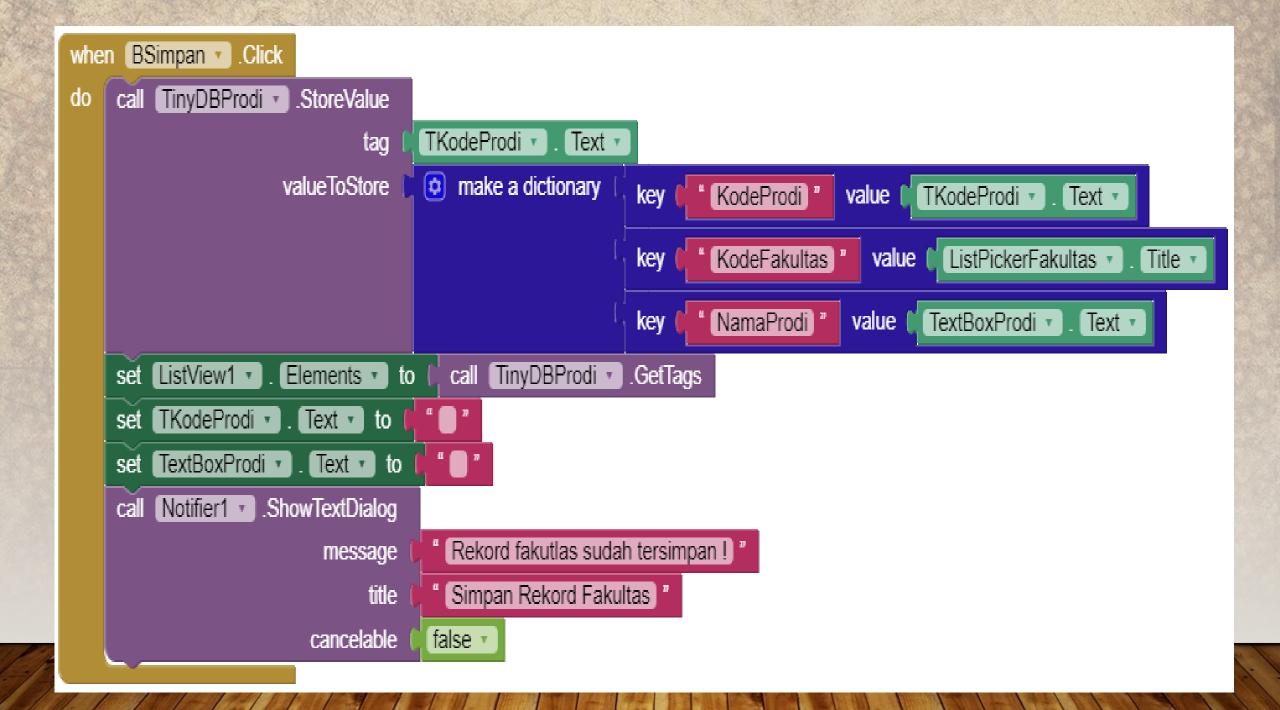


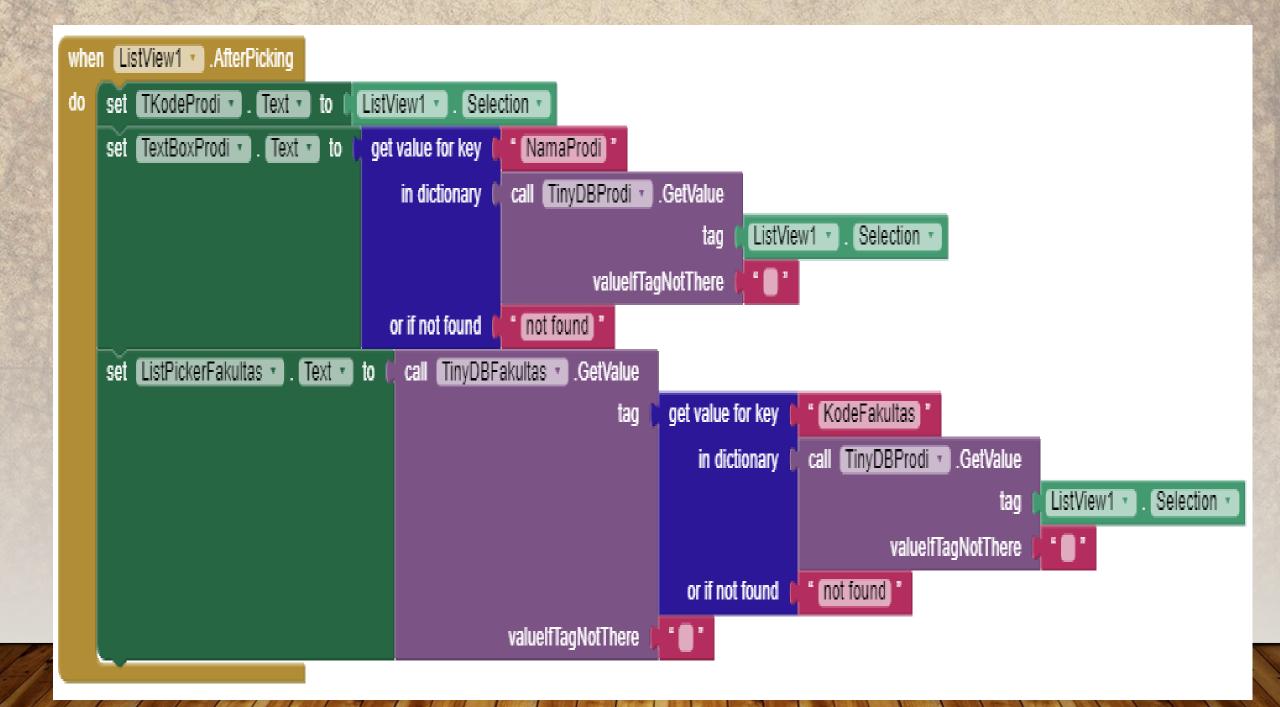


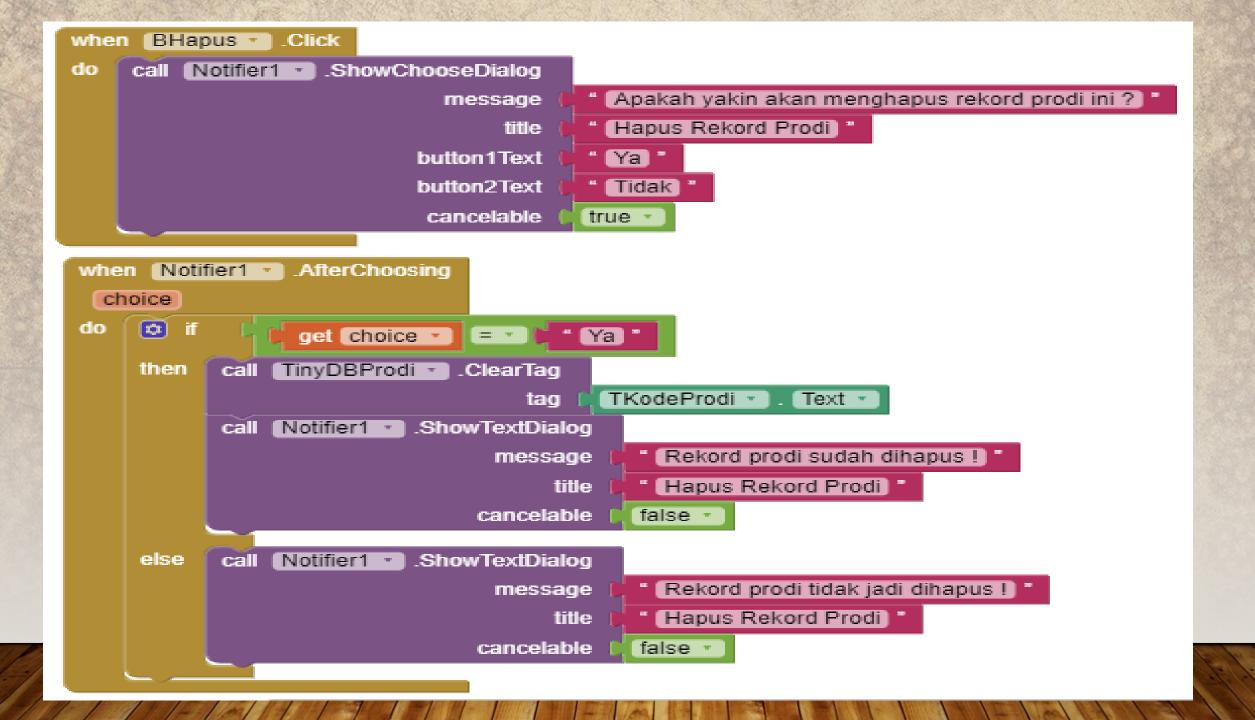


#### KODE BLOCK SCREEN PRODI

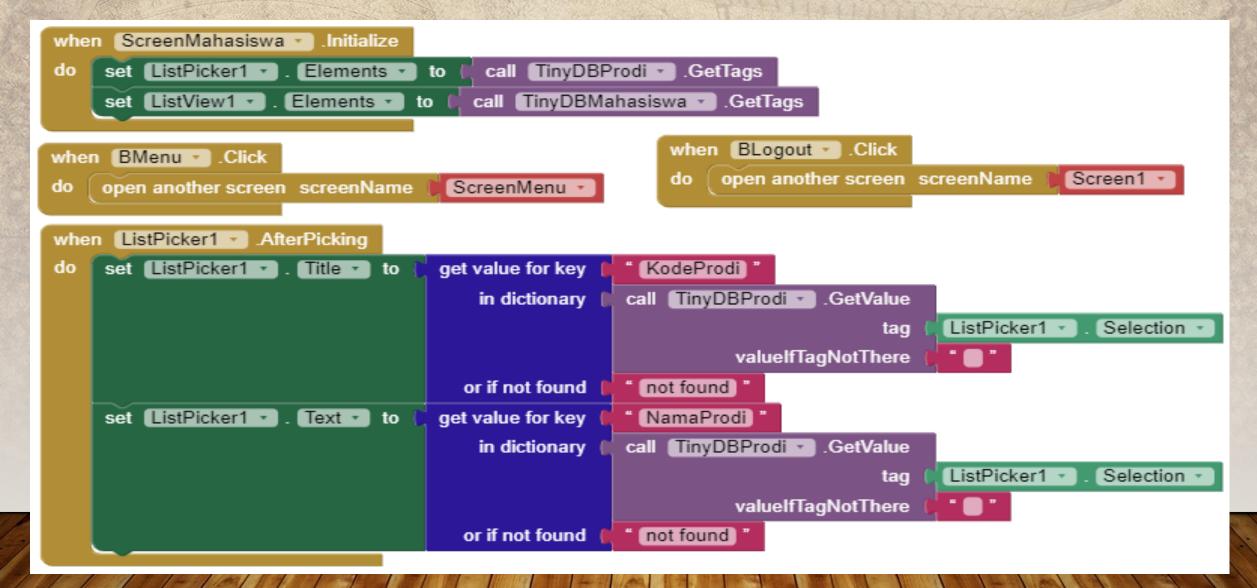
```
when ScreenProdi ▼ .Initialize
                                               call TinyDBFakultas *
    set ListPickerFakultas •
                            . Elements •
                                                                     .GetTags
                                         to
                                            TinyDBProdi .GetTags
    set ListView1 •
                     Elements •
                                  to 📖
                                       call
                                                        when BLogout . Click
when BMenu .Click
                                                            open another screen screenName
                                                                                              Screen1 •
                                                        do
    open another screen screenName
                                      ScreenMenu •
do
when ListPickerFakultas .AfterPicking
                                              TinyDBFakultas 🔻
    set ListPickerFakultas . Text to
                                                                 .GetValue
                                                                            ListPickerFakultas •
                                                                                                 Selection
                                                                      tag
                                                        valuelfTagNotThere
    set ListPickerFakultas . Title .
                                          ListPickerFakultas •
                                                               Selection •
                                     to
        TKodeProdi •
                                     ListPickerFakultas •
                        Text ▼ to
                                                          Selection •
        TKodeProdi .MoveCursorToEnd
```







#### KODE BLOCK SCREEN MAHASISWA



```
when BSimpan . Click
    call TinyDBMahasiswa . StoreValue
                                     TNPM -
                                              Text ▼
                               tag
                        valueToStore
                                     make a dictionary
                                                                            value (ListPicker1 - Title -
                                                         key
                                                                KodeProdi
                                                                NPM "
                                                                        value TNPM . Text
                                                                Nama "
                                                                         value [ TNamaMahasiswa - . Text -
                                                                         value ( TNoWA - . Text -
                                                               " NoWA "
                                                         key
   set ListView1 . Elements to call TinyDBMahasiswa .GetTags
   set TNPM . Text to to
    set TNamaMahasiswa . Text to to
   set TNoWA . Text to
    call Notifier1 . ShowTextDialog
                                  * Rekord mahasiswa sudah tersimpan ! ] *
                       message
                                   Simpan Rekord Mahasiswa
                           title
                                 false •
                      cancelable
```

