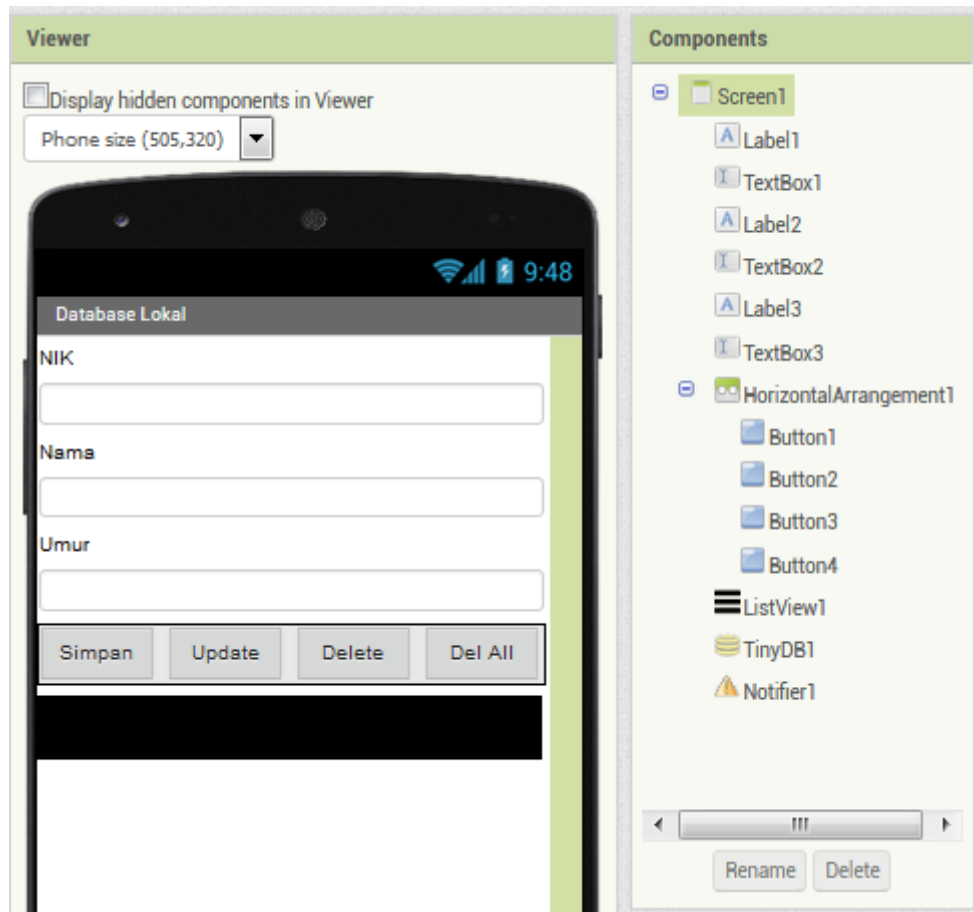


# Aplikasi Database Sederhana Menggunakan TinyDB dan App Inventor

## Desain Tampilan



## Kode Blok

```
when Screen1.Initialize
do
  call clear
  call tampil_data

to clear
do
  set TextBox1.Text to ""
  set TextBox2.Text to ""
  set TextBox3.Text to ""
  call TextBox1.RequestFocus

to update
do
  call TinyDB1.ClearTag
  tag TextBox1.Text
  call save
```

```

to save
do
  call TinyDB1 .StoreValue
    tag TextBox1 . Text
    valueToStore
      join
        " NIK : "
        TextBox1 . Text
        "\n"
        " Nama : "
        TextBox2 . Text
        "\n"
        " Umur : "
        TextBox3 . Text

```

```

to tampil_data
do
  initialize local Database to create empty list
  in
    for each tag in list
      call TinyDB1 .GetTags
      do
        add items to list list
          item
            call TinyDB1 .GetValue
              tag get tag
              valueIfTagNotThere ""
        set ListView1 . Elements to get Database
        call TextBox1 .RequestFocus
        set Button1 . Enabled to true
        set Button2 . Enabled to false
        set Button3 . Enabled to false
        set TextBox1 . Enabled to true

```

```

when Button2 .Click
do
  call update
  call tampil_data
  call clear
  call Notifier1 .ShowAlert
    notice " Data Berhasil Diupdate "

```

```

when Button3 .Click
do
  call TinyDB1 .ClearTag
    tag TextBox1 . Text
  call clear
  call Notifier1 .ShowAlert
    notice " Data Berhasil Dihapus "
  call tampil_data

```

```
when Button4 .Click
do
  call TinyDB1 .ClearAll
  call clear
  call tampil_data
```

```
? when Button1 .Click
do
  if length TextBox1 . Text < 10
  then
    call Notifier1 .ShowAlert
      notice " NIK Belum Lengkap! "
    call TextBox1 .RequestFocus
  else if length TextBox2 . Text = 0
  then
    call Notifier1 .ShowAlert
      notice " Masukkkan Nama! "
    call TextBox2 .RequestFocus
  else if length TextBox3 . Text = 0
  then
    call Notifier1 .ShowAlert
      notice " Masukkkan Umur! "
    call TextBox3 .RequestFocus
  else
    initialize local cek to false
    in for each tag in list call TinyDB1 .GetTags
    do
      if contains text get tag piece TextBox1 . Text
      then
        set cek to true
    end
    if get cek = true
    then
      call Notifier1 .ShowAlert
        notice " NIK Sudah Terdaftar! "
      call TextBox1 .RequestFocus
      set Button1 . Enabled to true
      set Button2 . Enabled to false
      set Button3 . Enabled to false
      set TextBox1 . Enabled to true
    else
      call save
      call tampil_data
      call clear
      call Notifier1 .ShowAlert
        notice " Data Berhasil Disimpan "
```

```
when ListView1 .AfterPicking
do
  set Button1 .Enabled to false
  set Button2 .Enabled to true
  set Button3 .Enabled to true
  set TextBox1 .Enabled to false
  call TextBox2 .RequestFocus
  initialize local tampung to create empty list
  in
    set tampung to split text ListView1 . Selection
    at "\n"
    set TextBox1 . Text to replace all text select list item list get tampung
    index 1
    segment " NIK : "
    replacement " "
    set TextBox2 . Text to replace all text select list item list get tampung
    index 2
    segment " Nama : "
    replacement " "
    set TextBox3 . Text to replace all text select list item list get tampung
    index 3
    segment " Umur : "
    replacement " "
```