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| **LAPORAN PRAKTIK PEMROGRAMAN**  **UJIAN TENGAH SEMESTER**  **(Pembuatan Aplikasi Untuk Inputan Membership Fattah Barbershop)** | Mobile Programming, 2024  NIM.  202153032  Nama  Natasya Aditiya |



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| Aplikasi CRUD Membership Fattah Barbershop |
| 1. Source Code |
| #memasukkan library flet ke aplikasi  #import flet as ft  import datetime  import flet  from flet import \*  #buat class form entri  class FormCatatan(UserControl) :  def build(catatan) :  #buat variabel untuk inputan  catatan.inputan\_nama = TextField(  border\_color= "grey",  label = "Nama",  hint\_text = "Nama",  autofocus=True,  expand = True  )  #buat variabel untuk inputan  catatan.inputan\_jekel = Dropdown(  border\_color= "grey",  hint\_text = "Jenis Kelamin",  expand = True,  label="Jenis Kelamin",  options=[  dropdown.Option("Laki-Laki"),  dropdown.Option("Perempuan"),  ],  )  #buat variabel inputan tanggal lahir  def ubah\_tanggal\_lahir(e):  tgl\_baru = catatan.opsi\_tanggal.value  catatan.inputan\_tgl.value = tgl\_baru.date()  catatan.update()  def opsi\_tanggal\_lahir\_dismissed(e):  tgl\_baru = catatan.inputan\_tgl.value  catatan.inputan\_tgl.value = tgl\_baru  catatan.update()  catatan.opsi\_tanggal = DatePicker(  on\_change= ubah\_tanggal\_lahir,  on\_dismiss= opsi\_tanggal\_lahir\_dismissed,  first\_date= datetime.datetime (1945, 1, 1),  last\_date= datetime.date.today(),  )  catatan.inputan\_tgl = TextField(  border\_color= "grey",  label = "Tanggal Lahir",  hint\_text = "Tanggal Lahir",  read\_only = True,  expand = True  )  #buat variabel inputan tanggal gabung member  catatan.inputan\_tgl\_member = TextField(  border\_color= "grey",  label= "Tanggal Gabung Member",  hint\_text = "Tanggal Gabung Member",  read\_only = True,  expand = True  )  def ubah\_tanggal\_member(e):  tgl\_baru = catatan.opsi\_tanggal\_member.value  catatan.inputan\_tgl\_member.value = tgl\_baru.date()  catatan.update()  def opsi\_tanggal\_member\_dismissed(e):  tgl\_baru = catatan.inputan\_tgl\_member.value  catatan.inputan\_tgl\_member.value = tgl\_baru  catatan.update()  catatan.opsi\_tanggal\_member = DatePicker(  on\_change= ubah\_tanggal\_member,  on\_dismiss= opsi\_tanggal\_member\_dismissed,  first\_date= datetime.datetime (1945, 1, 1),  last\_date= datetime.date.today(),  )  catatan.inputan\_alamat = TextField(  border\_color= "grey",  label= "Alamat",  multiline= True,  hint\_text = "Alamat",  max\_lines= 3,  expand = True  )  catatan.inputan\_telp = TextField(  border\_color= "grey",  label= "No Telepon",  multiline= True,  hint\_text = "No Telepon",  max\_lines= 3,  expand = True  )  #buat notif snackbar  catatan.snack\_bar = SnackBar(  content= Text("Silahkan isi terlebih dahulu!"),  bgcolor= colors.RED,  close\_icon\_color= colors.WHITE,  show\_close\_icon= True  )  #buat variabel utk layout data rekapan  catatan.layout\_data = Column(    )  return Column(  controls = [  Row(  controls = [  #field / inputan catatan  catatan.inputan\_nama,  ]  ),  Row(  controls = [  catatan.inputan\_jekel,  ]  ),  Row(  controls = [  catatan.inputan\_tgl,  catatan.opsi\_tanggal,  FloatingActionButton(  "Pick date",  bgcolor = "blue",  icon=icons.CALENDAR\_MONTH\_ROUNDED,  on\_click=lambda \_: catatan.opsi\_tanggal.pick\_date(),  )  ]  ),  Row(  controls = [  catatan.inputan\_alamat,  ]  ),  Row(  controls = [  catatan.inputan\_telp,  ]  ),  Row(  controls = [  catatan.inputan\_tgl\_member,  catatan.opsi\_tanggal\_member,  FloatingActionButton(  "Pick date",  bgcolor = "blue",  icon=icons.CALENDAR\_MONTH\_ROUNDED,  on\_click=lambda \_: catatan.opsi\_tanggal\_member.pick\_date(),  )  ]  ),  Row(  controls = [  #tombol tambah data  FloatingActionButton(  icon = icons.ADD,  text=("Tambah Data"),  bgcolor = "blue",  width = 340,  on\_click = catatan.tambah\_catatan  )  ]  ),  #layout rekapan data  catatan.layout\_data,  #snakbar  catatan.snack\_bar,  #tanggal  catatan.opsi\_tanggal,  ]  )    #fungsi utk perintah tambah data  def tambah\_catatan (catatan, e) :  if catatan.inputan\_nama.value == "" or catatan.inputan\_jekel.value == "" or catatan.inputan\_tgl.value == "" or catatan.inputan\_alamat.value == "" or catatan.inputan\_telp.value == "" or catatan.inputan\_tgl\_member.value == "" :  catatan.snack\_bar.open = True  catatan.update()    elif catatan.inputan\_nama.value != "" or catatan.inputan\_jekel.value != "" or catatan.inputan\_tgl.value != "" or catatan.inputan\_alamat.value != "" or catatan.inputan\_telp.value != "" or catatan.inputan\_tgl\_member.value != "" :  data\_catatan\_baru = FormDataCatatan(catatan.inputan\_nama.value, catatan.inputan\_jekel.value, catatan.inputan\_tgl.value, catatan.inputan\_alamat.value, catatan.inputan\_telp.value, catatan.inputan\_tgl\_member.value, catatan.hapus\_catatan)  catatan.layout\_data.controls.append(data\_catatan\_baru)  catatan.inputan\_nama.value = ""  catatan.inputan\_jekel.value = ""  catatan.inputan\_tgl.value = ""  catatan.inputan\_alamat.value = ""  catatan.inputan\_telp.value = ""  catatan.inputan\_tgl\_member.value = ""  catatan.update()    #fungsi utk perintah hapus data  def hapus\_catatan (catatan, data\_catatan\_masuk) :  catatan.layout\_data.controls.remove(data\_catatan\_masuk)  catatan.update()  #buat class form data rekapan/histori  class FormDataCatatan(UserControl) :  def \_\_init\_\_(catatan, nama\_catatan, jk\_catatan, tgl\_catatan, alamat\_catatan, telp\_catatan, tglmem\_catatan, hapus\_catatan):  super().\_\_init\_\_()  catatan.nama\_catatan = nama\_catatan  catatan.jk\_catatan = jk\_catatan  catatan.tgl\_catatan = tgl\_catatan  catatan.alamat\_catatan = alamat\_catatan  catatan.telp\_catatan = telp\_catatan  catatan.tglmem\_catatan = tglmem\_catatan  catatan.hapus\_catatan = hapus\_catatan  def build(catatan):  def ubah\_tanggal\_member\_edit(e):  tgl\_baru = catatan.opsi\_tanggal\_member\_edit.value  catatan.inputan\_catatan\_tglmem.value = tgl\_baru.date()  catatan.update()  def opsi\_tanggal\_member\_edit\_dismissed(e):  tgl\_baru = catatan.inputan\_catatan\_tglmem.value  catatan.inputan\_catatan\_tglmem.value = tgl\_baru  catatan.update()    def ubah\_tanggal\_edit(e):  tgl\_baru = catatan.opsi\_tanggal\_edit.value  catatan.inputan\_catatan\_tgl.value = tgl\_baru.date()  catatan.update()  def opsi\_tanggal\_edit\_dismissed(e):  tgl\_baru = catatan.inputan\_catatan\_tgl.value  catatan.inputan\_catatan\_tgl.value = tgl\_baru  catatan.update()  #buat variabel untuk checkbox  # catatan.data\_catatan\_nama = Checkbox(value = False, label = catatan.nama\_catatan, label\_position=LabelPosition.LEFT )  catatan.data\_catatan\_nama = Text(catatan.nama\_catatan)  # catatan.data\_jk\_catatan = Checkbox(value= False, label= str(catatan.jk\_catatan), label\_position=LabelPosition.LEFT )  catatan.data\_jk\_catatan = Text(str(catatan.jk\_catatan) )  # catatan.data\_catatan\_tgl = Checkbox(value = False, label = str(catatan.tgl\_catatan), label\_position=LabelPosition.LEFT )  catatan.data\_catatan\_tgl = Text(str(catatan.tgl\_catatan))  # catatan.data\_catatan\_alamat = Checkbox(value = False, label = str(catatan.alamat\_catatan), label\_position=LabelPosition.LEFT )  catatan.data\_catatan\_alamat = Text(str(catatan.alamat\_catatan))  catatan.data\_catatan\_telp = Text(str(catatan.telp\_catatan) )  catatan.data\_catatan\_tglmem = Text(str(catatan.tglmem\_catatan))  # catatan.data\_catatan = Text(catatan.nama\_catatan + " ( " + catatan.jk\_catatan+ " )")  #buat variable utk inputan/field ubah data  catatan.inputan\_catatan\_nama = TextField(label = "Nama", border\_color= "grey", expand = True)  # catatan.inputan\_catatan\_jk = TextField(label = "Jenis Kelamin", border\_color= "grey", expand = True)  catatan.inputan\_catatan\_jk = Dropdown(  border\_color= "grey",  hint\_text = "Jenis Kelamin",  expand = True,  label="Jenis Kelamin",  options=[  dropdown.Option("Laki-Laki"),  dropdown.Option("Perempuan"),  ],  )  catatan.inputan\_catatan\_tgl = TextField(label = "Tanggal Lahir", border\_color= "grey", expand=True)  catatan.inputan\_catatan\_alamat= TextField(label = "Alamat", border\_color= "grey", expand=True)  catatan.inputan\_catatan\_telp= TextField(label = "Nomor Telepon", border\_color= "grey", expand=True)  catatan.inputan\_catatan\_tglmem= TextField(label = "Tanggal Member", border\_color= "grey", expand=True)  #buat form rekapan data yang berhasil di simpan  catatan.opsi\_tanggal\_member\_edit = DatePicker(  on\_change= ubah\_tanggal\_member\_edit,  on\_dismiss= opsi\_tanggal\_member\_edit\_dismissed,  first\_date= datetime.datetime (1945, 1, 1),  last\_date= datetime.date.today(),  )  catatan.opsi\_tanggal\_edit = DatePicker(  on\_change= ubah\_tanggal\_edit,  on\_dismiss= opsi\_tanggal\_edit\_dismissed,  first\_date= datetime.datetime (1945, 1, 1),  last\_date= datetime.date.today(),  )  catatan.tampil\_data = Row(  alignment = "spaceBetween",  vertical\_alignment = "center",  controls = [  Row(  controls= [  catatan.data\_catatan\_nama,  catatan.data\_jk\_catatan,  ]  ),  Row(  spacing = 0,  controls = [  IconButton(  icon = icons.CREATE\_OUTLINED,  tooltip = "Ubah",  on\_click = catatan.ubah\_data,  ),  IconButton(  icons.DELETE\_OUTLINE,  tooltip = "Hapus",  on\_click = catatan.hapus\_data,  ),  ],  ),  ],  )    #buat form entri untuk perubahan data  catatan.tampil\_ubahdata = Column(  visible = False,  controls = [  #field / inputan catatan  Row(  controls= [  Text(" ",  size =20,  font\_family="poppins",  color = "white"  ),  ]  ),  Row(  controls= [  Text(" Data ",  size =20,  weight="bold",  font\_family="poppins",  color = "white"  ),  ]  ),  Row(  controls= [  catatan.inputan\_catatan\_nama,  ]  ),  Row(  controls= [  catatan.inputan\_catatan\_jk,  ]  ),  Row(  controls= [  catatan.inputan\_catatan\_tgl,  catatan.opsi\_tanggal\_edit,  FloatingActionButton(  "Pick date",  bgcolor = "blue",  icon=icons.CALENDAR\_MONTH\_ROUNDED,  on\_click=lambda \_: catatan.opsi\_tanggal\_edit.pick\_date(),  )  ]  ),  Row(  controls= [  catatan.inputan\_catatan\_alamat,  ]  ),  Row(  controls= [  catatan.inputan\_catatan\_telp,  ]  ),  Row(  controls=[  catatan.inputan\_catatan\_tglmem,  catatan.opsi\_tanggal\_member\_edit,  FloatingActionButton(  "Pick date",  bgcolor = "blue",  icon=icons.CALENDAR\_MONTH\_ROUNDED,  on\_click=lambda \_: catatan.opsi\_tanggal\_member\_edit.pick\_date(),  )  ]  ),  Row(  controls=[  #tombol ubah data  FloatingActionButton(  icon = icons.CHANGE\_CIRCLE,  text=("Simpan Perubahan"),  bgcolor = "blue",  width = 340,  on\_click = catatan.simpan\_ubah\_data  )  ]  ),  ],  )  return Column(controls = [catatan.tampil\_data, catatan.tampil\_ubahdata ])  #fungsi utk perintah simpan ubah data  def simpan\_ubah\_data(catatan, e):  catatan.data\_catatan\_nama.value = catatan.inputan\_catatan\_nama.value  catatan.data\_jk\_catatan.value = catatan.inputan\_catatan\_jk.value  catatan.data\_catatan\_tgl.value = catatan.inputan\_catatan\_tgl.value  catatan.data\_catatan\_alamat.value = catatan.inputan\_catatan\_alamat.value  catatan.data\_catatan\_telp.value = catatan.inputan\_catatan\_telp.value  catatan.data\_catatan\_tglmem.value = catatan.inputan\_catatan\_tglmem.value  catatan.tampil\_data.visible = True  catatan.tampil\_ubahdata.visible = False  catatan.update()  #fungsi utk perintah form ubah data  def ubah\_data(catatan, e):  catatan.inputan\_catatan\_nama.value = catatan.data\_catatan\_nama.value  catatan.inputan\_catatan\_jk.value = catatan.data\_jk\_catatan.value  catatan.inputan\_catatan\_tgl.value = catatan.data\_catatan\_tgl.value  catatan.inputan\_catatan\_alamat.value = catatan.data\_catatan\_alamat.value  catatan.inputan\_catatan\_telp.value = catatan.data\_catatan\_telp.value  catatan.inputan\_catatan\_tglmem.value = catatan.data\_catatan\_tglmem.value  catatan.tampil\_data.visible = False  catatan.tampil\_ubahdata.visible = True  catatan.update()  #fungsi utk perintah hapus  def hapus\_data(catatan, e):  catatan.hapus\_catatan(catatan)  #function/fungsi utama  def main (page : Page):  #mengatur halaman  page.title = "Membership Fattah Barbershop"  page.window\_width = 375  page.window\_height = 700  page.window\_resizable = False  page.window\_maximizable = False  page.window\_minimizable = True  page.scroll = "adaptive"  page.theme\_mode = ThemeMode.DARK  #menampilkan objek  judul\_aplikasi\_1 = 'Fattah'  judul\_aplikasi\_2 = 'Barbershop'  judul\_aplikasi\_3 = ' '  deskripsi\_aplikasi = 'Aplikasi Input Membership Fattah Barbershop'  form\_aplikasi\_note = FormCatatan()  page.add(  Row (  controls = [  Text(judul\_aplikasi\_3,  size =15,  weight = "bold",  font\_family="poppins",  color = "Blue"  ),  ],  #aligment = MainAxisAlignment.END  alignment = "center"  ),  Row (  controls = [  Text(judul\_aplikasi\_1,  size =30,  weight = "bold",  font\_family="poppins",  color = "Blue"  ),  Text(judul\_aplikasi\_2,  size =30,  weight = "bold",  font\_family="poppins",  color = "white"  ),  ],  #aligment = MainAxisAlignment.END  alignment = "center"  ),  Row (  controls = [  Text(deskripsi\_aplikasi,  size =12,  italic= True,  font\_family="poppins",  color = "white"  ),    ],  #aligment = MainAxisAlignment.END  alignment = "center"  ),  Row (  controls = [  Text(judul\_aplikasi\_3,  size =15,  weight = "bold",  font\_family="poppins",  color = "Blue"  ),  ],  #aligment = MainAxisAlignment.END  alignment = "center"  ),  form\_aplikasi\_note  )  #mengatur output aplikasi  flet.app(target = main)  #ft.app(target = main, view = ft.AppView.WEB\_BROWSER) |
| 1. Screenshot Aplikasi / Tampilan / UI |
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