

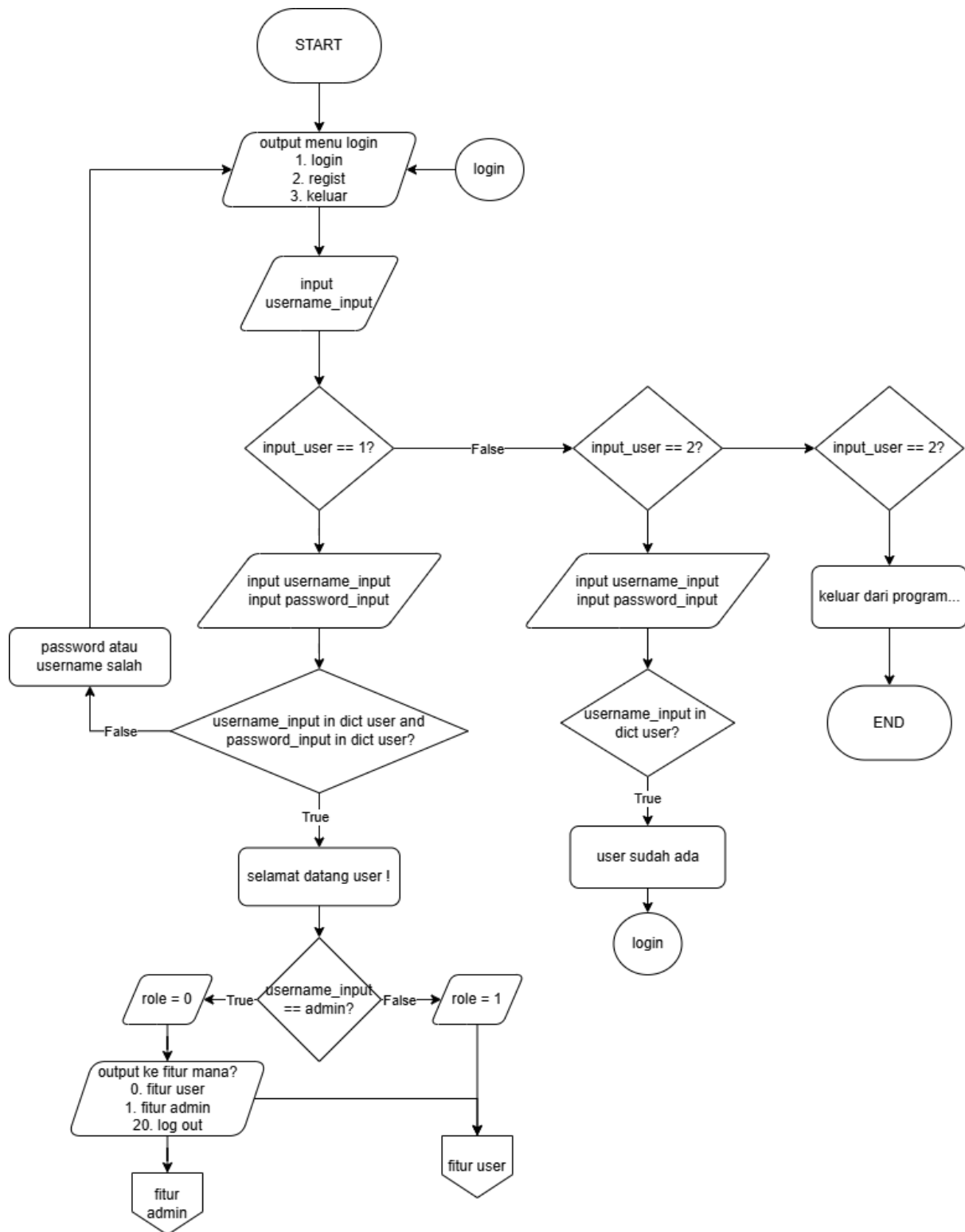
**LAPORAN PRAKTIKUM**  
**POSTTEST (6)**  
**ALGORITMA PEMROGRAMAN DASAR**



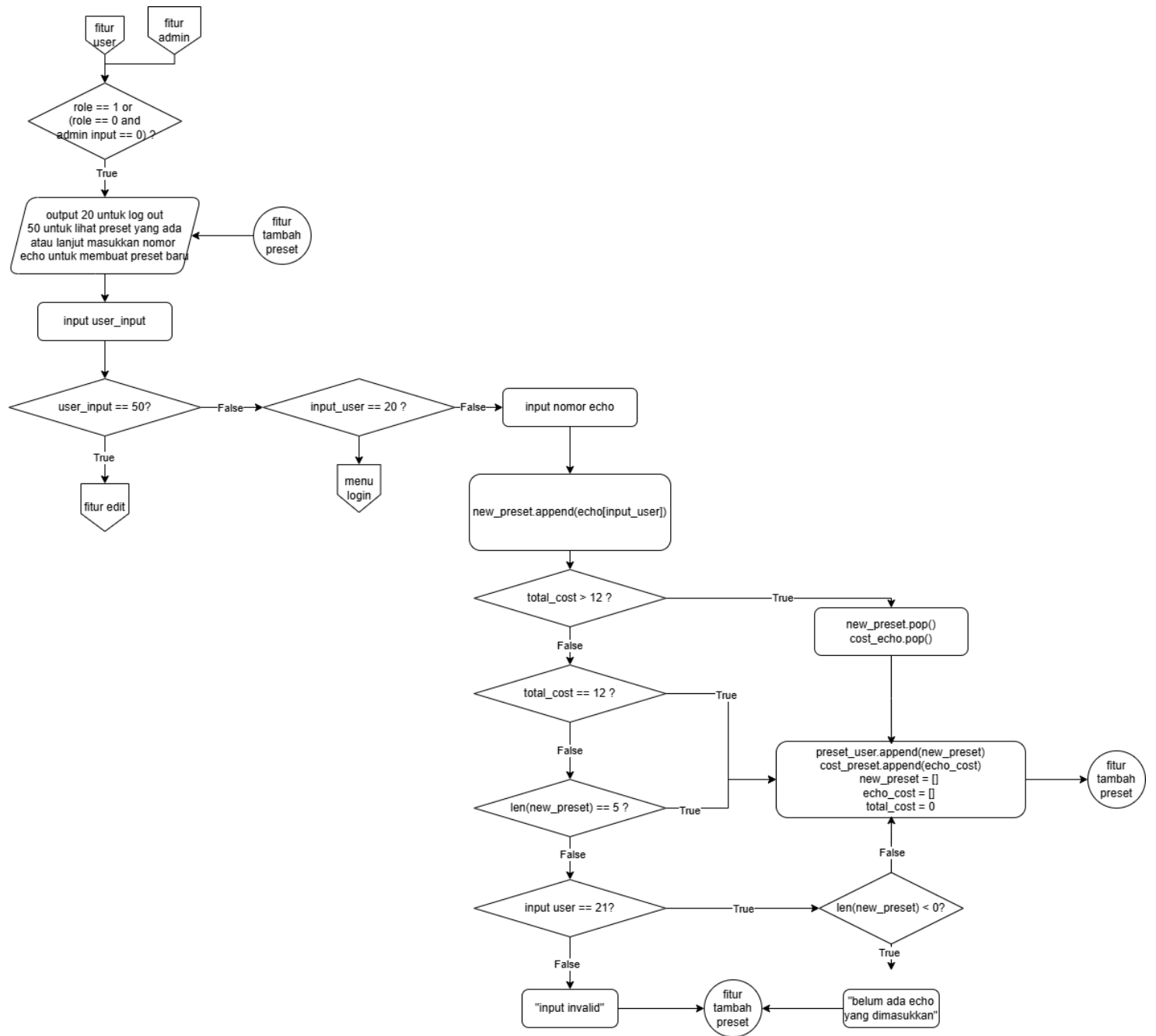
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**PROGRAM STUDI INFORMATIKA**  
**UNIVERSITAS MULAWARMAN**  
**SAMARINDA**  
**2025**

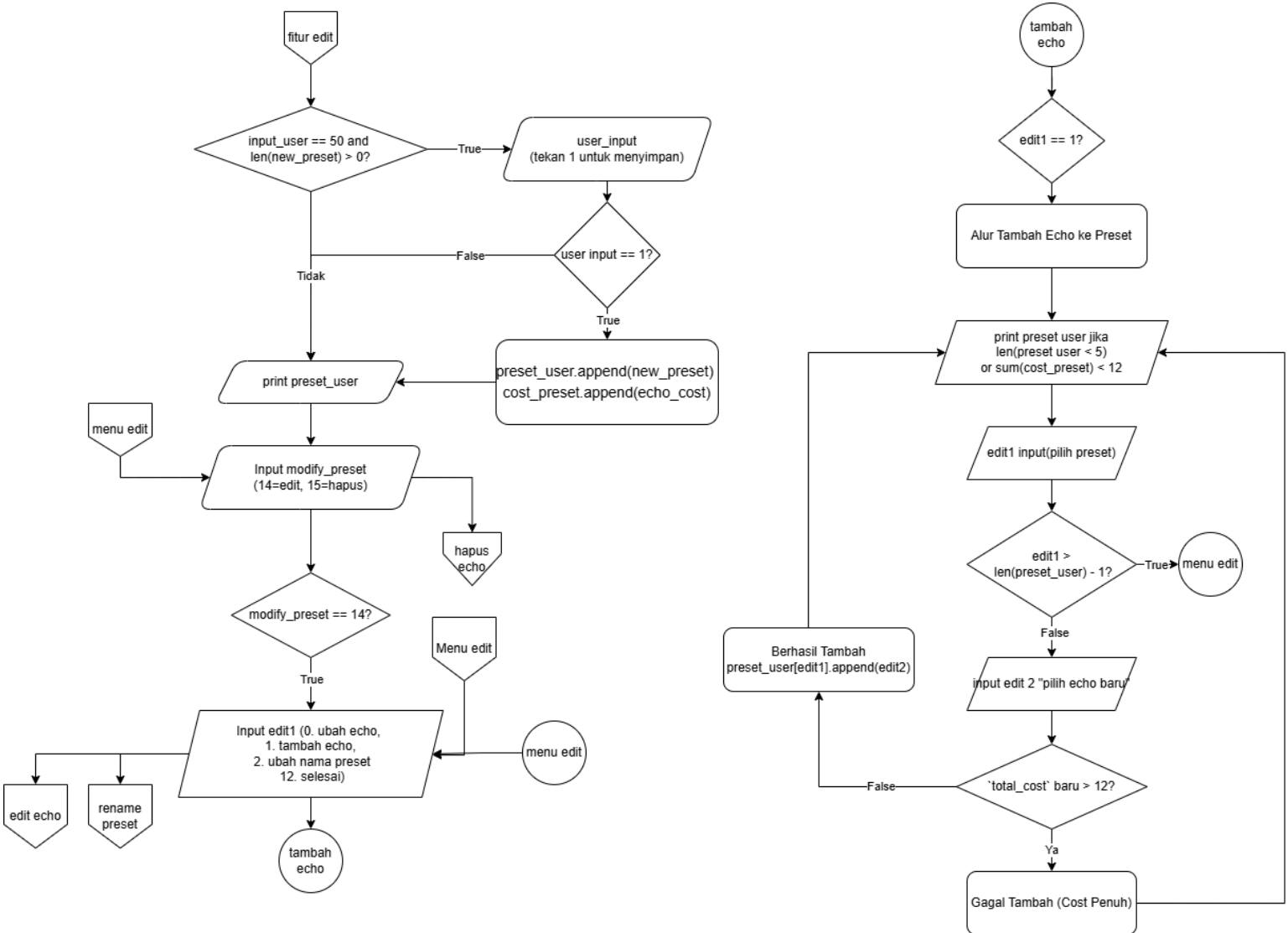
# 1. Flowchart



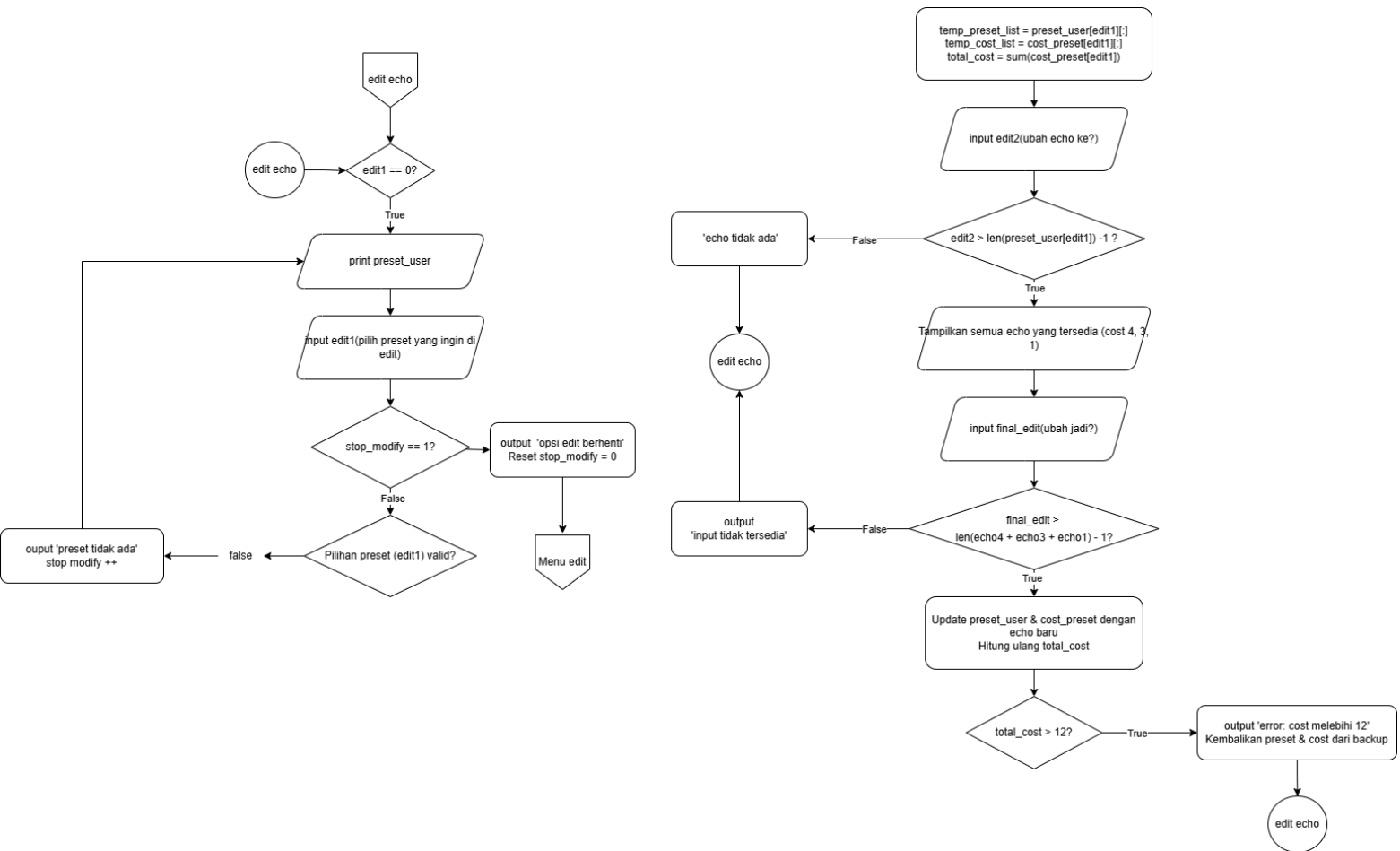
gambar 1.1 flowchart opsi login



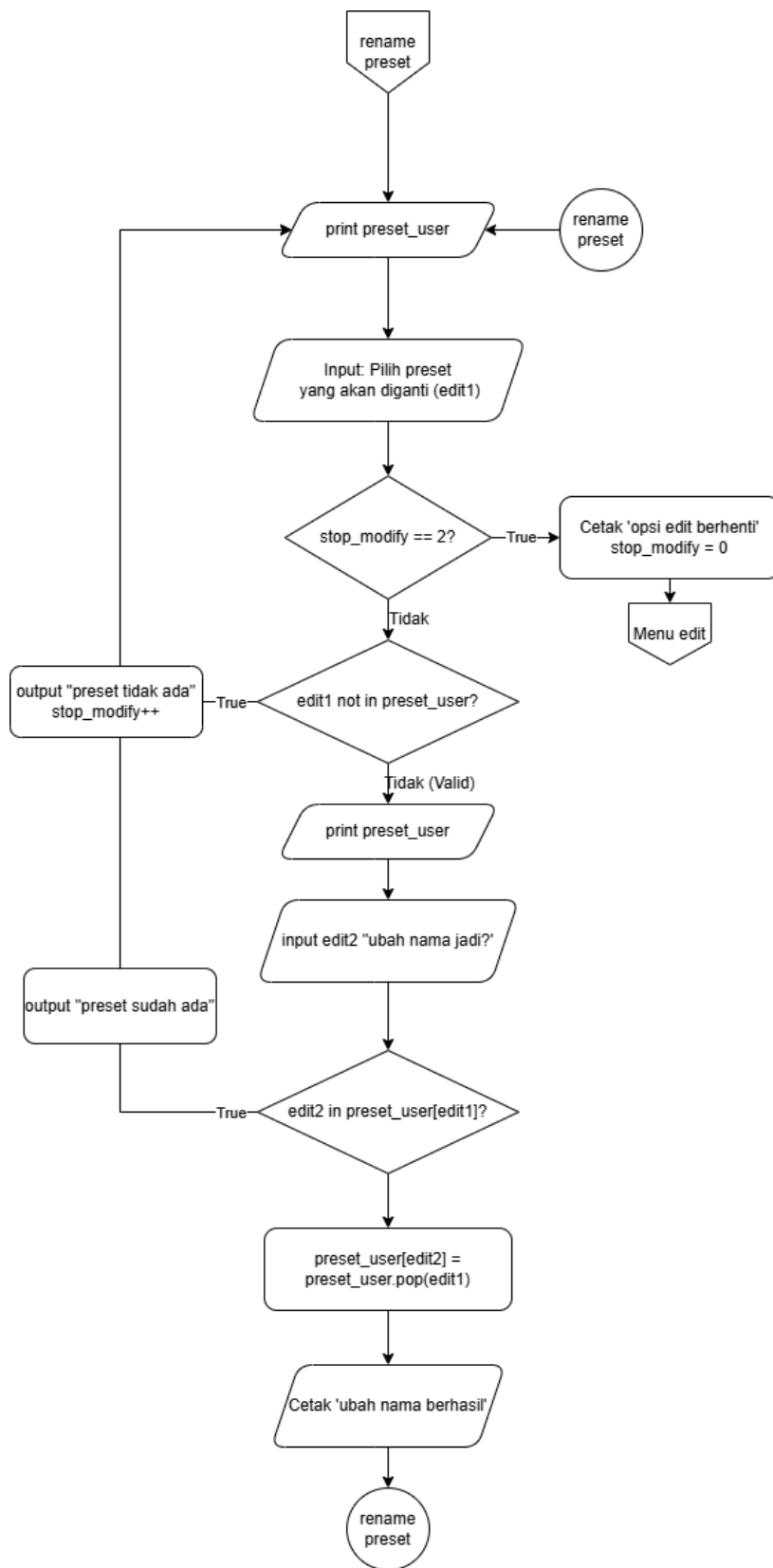
flowchart 1.2 flowchart opsi buat preset user



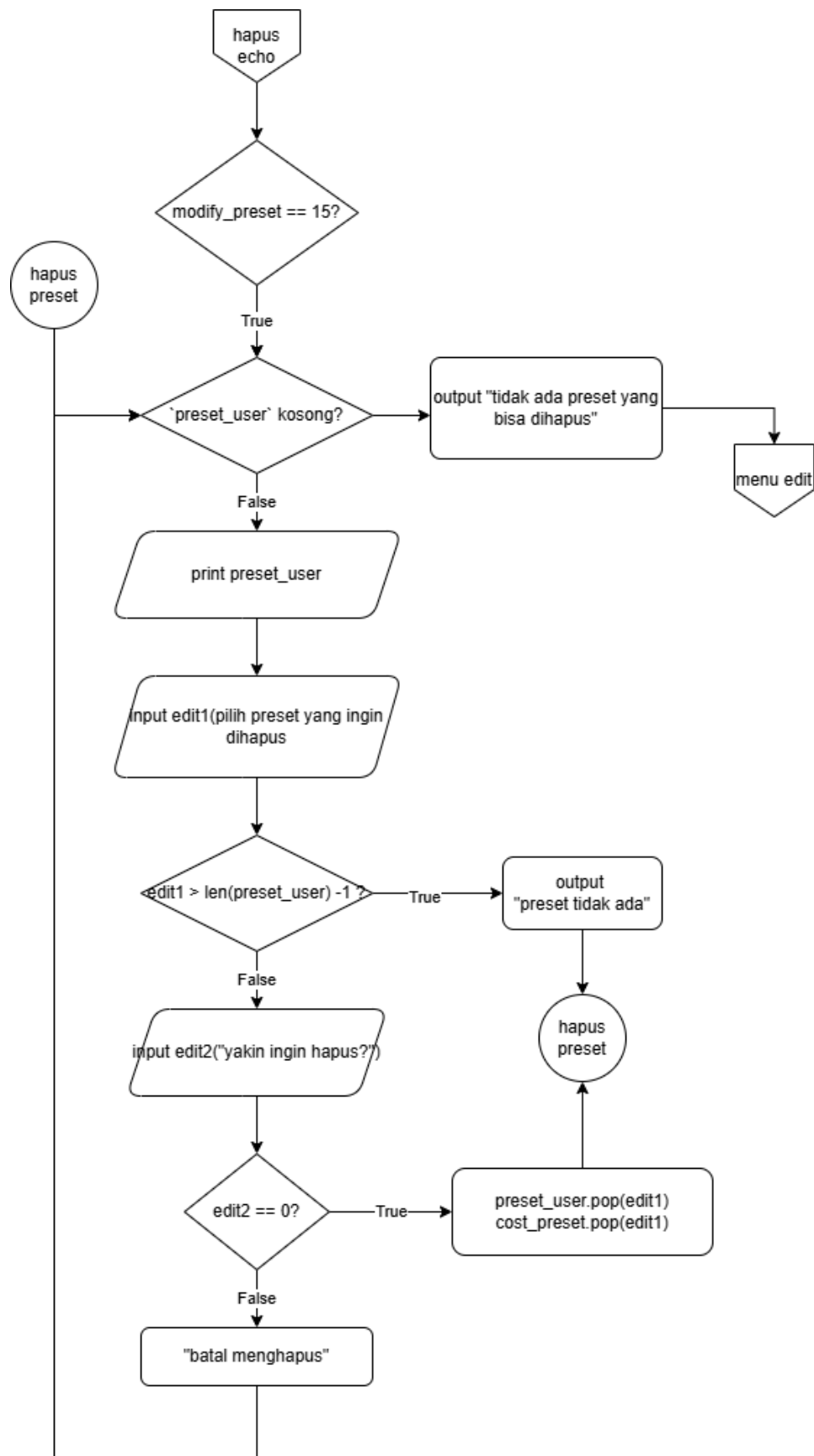
flowchart 1.3 flowchart opsi user dan edit user (menambahkan echo ke preset baru)



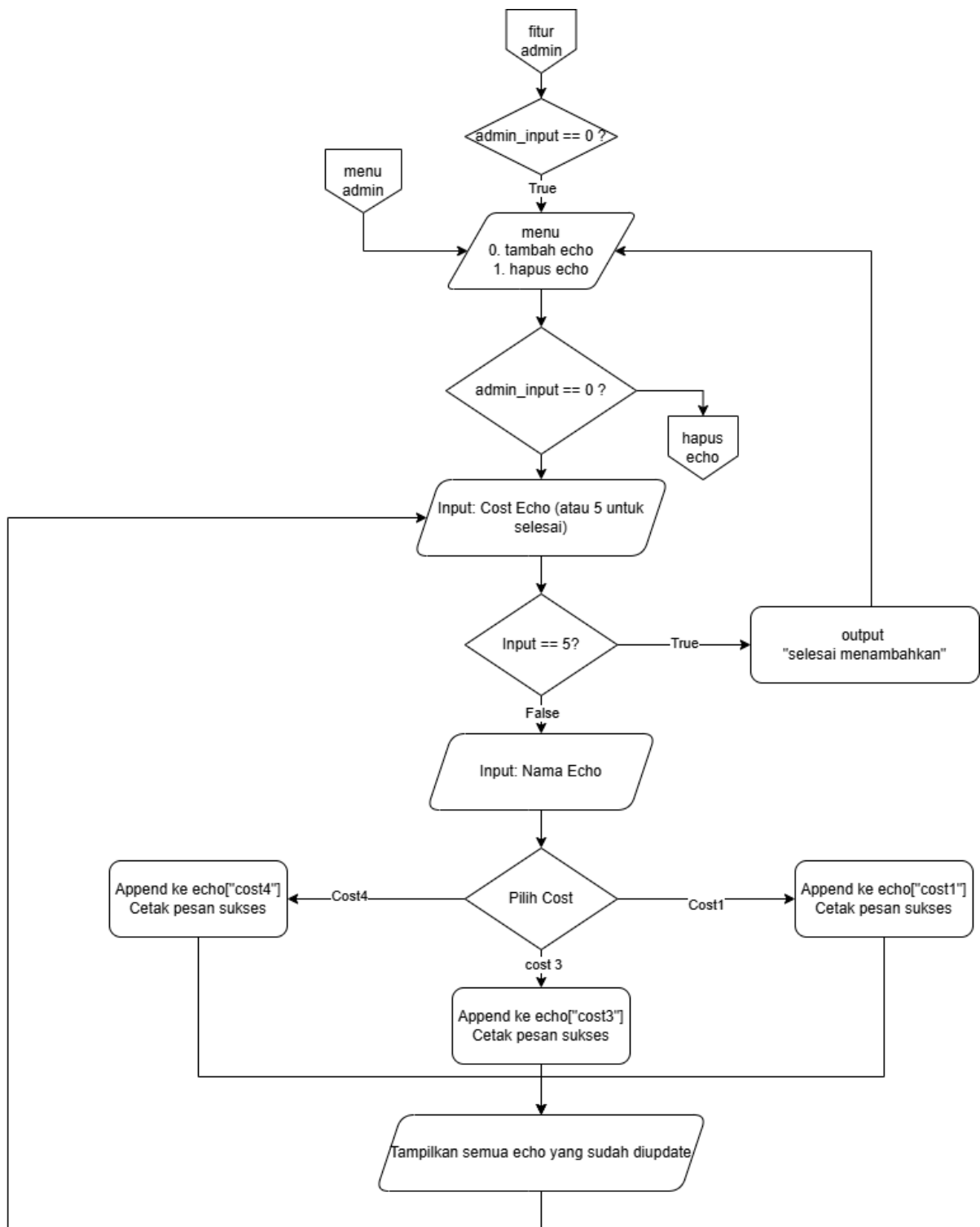
flowchart 1.4 flowchart opsi user(edit preset)



flowchart 1.5 flowchart opsi user (ganti nama preset)

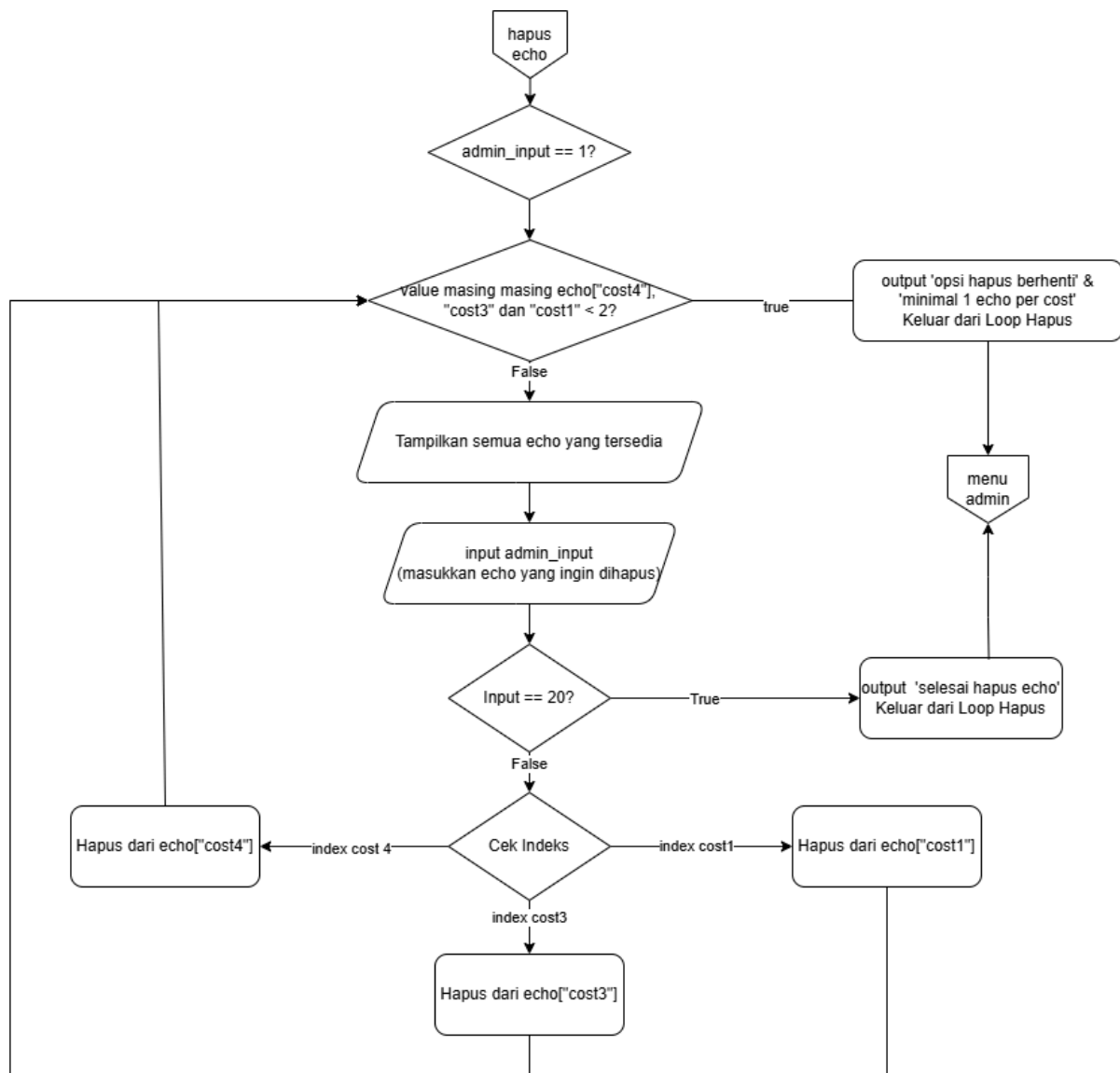


flowchart 1.6 opsi user(hapus preset)



flowchart 1.7 flowchart opsi admin (tambah echo)





flowchart 1.8 flowchar opsi admin (hapus echo)

## 2. Deskripsi Singkat Program

pada posstest ini tujuan utamanya sama seperti posttest ke - 5 disini saya hanya mempeprbarui beberapa kode, seperti mengubah tipe data echo, preset user, dan user menjadi dictionary, sehingga pada posttest ini terdapat fitur baru, yaitu mengubah nama preset.

dengan menggunakan dictionary, preset akan disimpan sesuai user yang login, jadi jika login ulang, preset yang dibuat akan tetap ada jika ditampilkan

### 3. Source Code

#### A. fitur utama user

disini user bisa menambahkan echo nya ke preset sesuai keinginan dan syarat syaratnya (cost echo tidak lebih dari 12 dan slot preset belum terisi semua(slot preset masing masing terdapat 5))

#### Source Code:

```
if role == 1 or (admin_input == 0 and role == 0):
    print("echo cost 4 : ")
    for index,cost4 in enumerate(echo["cost4"]) :
        print(f"{index} : {cost4}")

    print("echo cost 3 : ")
    for index,cost3 in enumerate(echo["cost3"]) :
        print(f"{index + len(echo['cost4'])} : {cost3}")

    print("echo cost 1 : ")
    for index,cost1 in enumerate(echo["cost1"]) :
        print(f"{index + len(echo['cost4'] + echo['cost3'])} : {cost1}")

    print("tekan 20 untuk log out")
    print("tekan 50 untuk melihat preset yang ada")
    print("atau lanjut masukkan nomor echo untuk buat preset baru")
    input_user = int(input("masukkan pilihan : "))
    print("preset akan otomatis dibuat jika cost sudah 12 atau slot echo sudah 5")
    print("jika total cost preset sudah lebih 12, akan menghapus echo terbaru dan otomatis membuat preset baru")

    while input_user != 20 :
        #dibawah ini untuk buat buat preset baru
        while True :
            if input_user <= len(echo["cost4"]) - 1 :
                new_preset.append(echo["cost4"][input_user])
                echo_cost.append(4)
                total_cost += 4
                temporary_cost = 4

            elif input_user <= len(echo["cost4"] + echo["cost3"]) - 1 :
                new_preset.append(echo["cost3"][input_user - len(echo["cost3"])]])
```

```

        echo_cost.append(3)
        total_cost += 3
        temporary_cost = 3

    elif input_user <= len(echo["cost4"] + echo["cost3"] +
echo["cost1"]) - 1 :
        new_preset.append(echo["cost1"][input_user - len(echo["cost4"] +
echo["cost3"])]])
        echo_cost.append(1)
        total_cost += 1
        temporary_cost = 1

    elif input_user == 20 :
        print("log out..")
        break

    elif input_user == 21:

        if len(new_preset) < 1 and len(echo_cost) < 1:
            print("tidak ada echo yang dimasukkan")

        else :
            print("preset dibuat")
            cost_siapa[f"new preset {len(preset_siapa)}"] = echo_cost
            preset_siapa[f"new preset {len(preset_siapa)}"] = new_preset
            print("tekan 20 untuk log out")
            print("tekan 50 untuk melihat preset yang ada")

            new_preset = []
            echo_cost = []
            total_cost = 0

#pengecekan sebelum masuk edit
    elif input_user == 50 and len(new_preset) > 0 :
        input_user = int(input("kamu punya preset belum disimplan, tekan
1 untuk menyimpan "))
        if input_user == 1 :
            cost_siapa[f"new preset {len(preset_siapa)}"] = echo_cost
            preset_siapa[f"new preset {len(preset_siapa)}"] = new_preset

            new_preset = []
            echo_cost = []
            total_cost = 0
        else :
            new_preset = []
            echo_cost = []
            total_cost = 0
    for key, value in preset_siapa.items():

```

```

        print(f"{key} : {value}")
        modify_preset = int(input("mau edit/hapus preset? 14 untuk edit
15 untuk hapus"))
        break
    elif input_user == 50 and len(preset_siapa) < 1 :

        print("kamu belum punya preset untuk dilihat")

    elif input_user == 50 :
        for key, value in preset_siapa.items():
            print(f"{key} : {value}")
            modify_preset = int(input("mau edit/hapus preset? 14 untuk edit
15 untuk hapus : "))
            break

    else :
        print("input salah")

    if total_cost > 12:
        print("cost echo yang kamu masukkan sudah lebih dari 12")
        new_preset.pop()
        echo_cost.pop()

        cost_siapa[f"new preset {len(preset_siapa)}"] = echo_cost
        preset_siapa[f"new preset {len(preset_siapa)}"] = new_preset

        new_preset = []
        echo_cost = []
        total_cost = 0

    elif total_cost == 12 :
        print("donee wak udah 12")
        cost_siapa[f"new preset {len(preset_siapa)}"] = echo_cost
        preset_siapa[f"new preset {len(preset_siapa)}"] = new_preset

        new_preset = []
        echo_cost = []
        total_cost = 0

    elif len(new_preset) == 5:
        print("echo kamu sudah 5")
        cost_siapa[f"new preset {len(preset_siapa)}"] = echo_cost
        preset_siapa[f"new preset {len(preset_siapa)}"] = new_preset

        new_preset = []
        echo_cost = []
        total_cost = 0
    print("tekan 21 untuk selesai buat preset")

```

```

input_user = int(input("masukkan lagi echo yang mau dipilih : "))

if input_user == 20 :
    break

```

## B. Fitur edit user

user bisa mengubah atau menambah echo pada preset, bisa juga mengubah nama preset

```

#masuk edit
if modify_preset == 14 :
    while True :
        print("edit preset(0)")
        print("ingin tambah echo(1)")
        print("ganti nama preset(2)")
        print("")
        edit1 = int(input("atau selesai edit(12)? : "))
        # edit dipisah, nambah echo baru ke preset atau ubah echo di
        preset

        #yang ini nambahin echo
        if edit1 == 1 :
            while True :

                for key, value in preset_siapa.items():
                    if len(preset_siapa[key]) == 5 or sum(cost_siapa[key])
== 12:
                        print(f"{key} : tidak bisa ditambah")
                    else :
                        print(f"{key} : bisa ditambah")

                edit1 = input(f"pilih preset (tekan 0 atau selain preset
sebanyak dua kali untuk keluar) : ")

            if stop_modify == 2:
                print("opsi edit berhenti")
                stop_modify = 0
                break

            elif edit1 not in preset_siapa:
                print("preset tidak ada")
                stop_modify += 1

            else :
                print(f"echo yang dipilih : {preset_siapa[edit1]}")

```

```

        if len(preset_siapa[edit1]) == 5 :
            print("penambahan echo tidak valid : slot penuh")
        elif sum(cost_siapa[edit1]) == 12 :
            print("penambahan echo tidak valid : cost penuh")
        else :
            print("echo cost 4 : ")
            for index,cost4 in enumerate(echo["cost4"]) :
                print(f"{index} : {cost4}")

            print("echo cost 3 : ")
            for index,cost3 in enumerate(echo["cost3"]) :
                print(f"{index + len(echo['cost4'])} :
{cost3}")

            print("echo cost 1 : ")
            for index,cost1 in enumerate(echo["cost1"]) :
                print(f"{index + len(echo['cost4'] +
echo['cost3'])} : {cost1}")

        edit2 = int(input("pilih echo yang dimasukkan : "))
        total_cost = sum(cost_siapa[edit1])

        if edit2 <= len(echo["cost4"]) - 1:
            preset_siapa[edit1].append(echo["cost4"][edit2])
            cost_siapa[edit1].append(4)
            total_cost += 4
            temporary_cost = 4

        elif edit2 <= len(echo["cost4"] + echo["cost3"]) - 1:
            preset_siapa[edit1].append(echo["cost3"][edit2 -
len(echo["cost4"])]])
            cost_siapa[edit1].append(3)
            total_cost += 3
            temporary_cost = 3

        elif edit2 <= len(echo["cost4"] + echo["cost3"] +
echo["cost1"]) - 1:
            preset_siapa[edit1].append(echo["cost1"][edit2 -
len(echo["cost4"] + echo["cost3"])]])
            cost_siapa[edit1].append(1)
            total_cost += 3
            temporary_cost = 3

        else :
            print("input salah")
        if total_cost > 12 :
            print("echo yang dimasukkan butuh cost lebih")
            print("gagal menambahkan")

```

```

        preset_siapa[edit1].pop()
        cost_siapa[edit1].pop()
        total_cost -= temporary_cost
    else :
        print("berhasil menambahkan")
        os.system('cls' if os.name == 'nt' else 'clear')

elif edit1 == 2 :
    os.system('cls' if os.name == 'nt' else 'clear')
    while True :

        for key, value in preset_siapa.items():
            print(f"{key} : {value}")

        edit1 = input(f"pilih preset yang ingin di ganti namanya
(tekan 0 atau selain preset sebanyak dua kali untuk berhenti edit) : ")

        if stop_modify == 2:
            print("opsi edit berhenti")
            stop_modify = 0
            break

        elif edit1 not in preset_siapa :
            print("preset tidak ada")
            stop_modify += 1

        else :
            print(f"preset yang dipilih : {preset_siapa[edit1]}")

            edit2 = input("ubah jadi? : ")

            if edit2 in preset_siapa :
                os.system('cls' if os.name == 'nt' else 'clear')
                print("preset dengan nama yang sama sudah ada")

            else :
                os.system('cls' if os.name == 'nt' else 'clear')
                preset_siapa[edit2] = preset_siapa.pop(edit1)
                cost_siapa[edit2] = cost_siapa.pop(edit1)
                print("ubah nama berhasil")

#ini mode edit
elif edit1 == 0 :
    os.system('cls' if os.name == 'nt' else 'clear')
    while True :

```

```

        for key, value in preset_siapa.items():
            print(f"{key} : {value}")

        edit1 = input(f"pilih preset yang ingin di edit (tekan 0
atau selain preset sebanyak dua kali untuk berhenti edit) : ")

        if stop_modify == 2:
            print("opsi edit berhenti")
            stop_modify = 0
            break

        elif edit1 not in preset_siapa :
            print("preset tidak ada")
            stop_modify += 1

        else :
            print(f"echo yang dipilih : {preset_siapa[edit1]}")

            temp_preset_list = preset_siapa[edit1][:]
            temp_cost_list = cost_siapa[edit1][:]
            total_cost = sum(cost_siapa[edit1])

            edit2 = int(input("edit value yang ke? : "))

            if edit2 > len(preset_siapa[edit1]) -1 :
                os.system('cls' if os.name == 'nt' else 'clear')
                print("echo tidak ada")
                continue

            print("echo cost 4 : ")
            for index,cost4 in enumerate(echo["cost4"]) :
                print(f"{index} : {cost4}")

            print("echo cost 3 : ")
            for index,cost3 in enumerate(echo["cost3"]) :
                print(f"{index + len(echo['cost4'])} : {cost3}")

            print("echo cost 1 : ")
            for index,cost1 in enumerate(echo["cost1"]) :
                print(f"{index + len(echo['cost4'] + echo['cost3'])}
: {cost1}")

            final_edit = int(input(f"ubah
{preset_siapa[edit1][edit2]} jadi? : "))

            if final_edit > len(echo["cost4"] + echo["cost3"] +
echo["cost1"]) - 1 :
                os.system('cls' if os.name == 'nt' else 'clear')

```



```

        print("input tidak tersedia")
        continue

    elif final_edit <= len(echo["cost4"]) - 1 :

        preset_siapa[edit1][edit2] =
echo["cost4"][final_edit]
        total_cost -= cost_siapa[edit1][edit2]
        cost_siapa[edit1][edit2] = 4
        temporary_cost = 4

    elif final_edit <= len(echo["cost4"] + echo["cost3"]) -
1 :

        preset_siapa[edit1][edit2] = echo["cost3"][final_edit
- len(echo["cost4"])]
        total_cost -= cost_siapa[edit1][edit2]
        cost_siapa[edit1][edit2] = 3
        temporary_cost = 3
    elif final_edit <= len(echo["cost4"] + echo["cost3"] +
echo["cost1"]) - 1 :

        preset_siapa[edit1][edit2] = echo["cost1"][final_edit
- len(echo["cost3"] + echo["cost4"])]
        total_cost -= cost_siapa[edit1][edit2]
        cost_siapa[edit1][edit2] = 1
        temporary_cost = 1

    total_cost += temporary_cost
    if total_cost > 12 :
        print("error : cost sudah melebihi 12")
        preset_siapa[edit1] = temp_preset_list
        cost_siapa[edit1] = temp_cost_list

    else :
        continue
    os.system('cls' if os.name == 'nt' else 'clear')

elif edit1 == 12 :
    print("edit echo selesai")
    total_cost = 0
    break

else :
    print("salah pilihan")

```

### C. Fitur hapus user

disini user bisa menghapus preset echonya

```
#masuk mode hapus preset
elif modify_preset == 15 :
    while True :

        if len(preset_siapa) < 1 :
            print("tidak ada preset lagi")
            print("echo cost 4 : ")
            for index,cost4 in enumerate(echo["cost4"]) :
                print(f"{index} : {cost4}")

            print("echo cost 3 : ")
            for index,cost3 in enumerate(echo["cost3"]) :
                print(f"{index + len(echo['cost4'])} : {cost3}")

            print("echo cost 1 : ")
            for index,cost1 in enumerate(echo["cost1"]) :
                print(f"{index + len(echo['cost4'] + echo['cost3'])} : {cost1}")

            break

        for key, value in preset_siapa.items():
            print(f"{key} : {value}")
            edit1 = input(f"pilih preset yang ingin di hapus ( tekan 0 atau selain preset lebih dua kali untuk berhenti edit) : ")

        if stop_modify == 2:
            print("opsi hapus berhenti")
            stop_modify = 0
            break

        elif edit1 not in preset_siapa :
            print("preset tidak ada")
            stop_modify += 1

        else :
            print(f"preset yang dipilih : {preset_siapa[edit1]}")
            edit2 = int(input("yakin ingin hapus preset?(0 untuk ya) :"))

            if edit2 == 0 :
```

```

        del preset_siapa[edit1]
        del cost_siapa[edit1]
        os.system('cls' if os.name == 'nt' else 'clear')
        print("hapus preset berhasil")

    else :
        os.system('cls' if os.name == 'nt' else 'clear')
        print("cancel penghapusan :")

else :
    os.system('cls' if os.name == 'nt' else 'clear')
    print("kamu ga milih keduanya")
    print("echo cost 4 : ")
    for index,cost4 in enumerate(echo["cost4"]) :
        print(f"{index} : {cost4}")

    print("echo cost 3 : ")
    for index,cost3 in enumerate(echo["cost3"]) :
        print(f"{index + len(echo['cost4'])} : {cost3}")

    print("echo cost 1 : ")
    for index,cost1 in enumerate(echo["cost1"]) :
        print(f"{index + len(echo['cost4'] + echo['cost3'])} : {cost1}")

os.system('cls' if os.name == 'nt' else 'clear')
print("echo cost 4 : ")
for index,cost4 in enumerate(echo["cost4"]) :
    print(f"{index} : {cost4}")

print("echo cost 3 : ")
for index,cost3 in enumerate(echo["cost3"]) :
    print(f"{index + len(echo['cost4'])} : {cost3}")

print("echo cost 1 : ")
for index,cost1 in enumerate(echo["cost1"]) :
    print(f"{index + len(echo['cost4'] + echo['cost3'])} : {cost1}")

input_user = int(input("pilih echo berdasarkan nomor, 50 untuk
hapus/edit preset, atau 20 jika ingin log out : "))
print("preset akan otomatis dibuat jika cost sudah 12 atau slot echo
sudah 5")
print("jika total cost preset sudah lebih 12, akan menghapus echo
terbaru dan otomatis membuat preset baru")
if input_user == 20 :
    new_preset = []
    echo_cost = []
    break

```

## 5. Fitur admin

disini, admin bisa mengedit atau menghapus echo pada semua cost

```
elif role == 0 and admin_input == 1:
    print("echo cost 4 : ")
    for index,cost4 in enumerate(echo["cost4"]) :
        print(f"{index} : {cost4}")

    print("echo cost 3 : ")
    for index,cost3 in enumerate(echo["cost3"]) :
        print(f"{index + len(echo['cost4'])} : {cost3}")

    print("echo cost 1 : ")
    for index,cost1 in enumerate(echo["cost1"]) :
        print(f"{index + len(echo['cost4'] + echo['cost3'])} : {cost1}")

    admin_input = int(input("ingin tambah(0) echo, hapus(1) echo, atau
log out(20)? : "))
    while admin_input != 20 :
        #opsi admin = nambahkan echo sesuai dengan cost
        if admin_input == 0 :
            while True :
                os.system('cls' if os.name == 'nt' else 'clear')
                print("echo cost 4 : ")
                for index,cost4 in enumerate(echo["cost4"]) :
                    print(f"{index} : {cost4}")

                print("echo cost 3 : ")
                for index,cost3 in enumerate(echo["cost3"]) :
                    print(f"{index + len(echo['cost4'])} : {cost3}")

                print("echo cost 1 : ")
                for index,cost1 in enumerate(echo["cost1"]) :
                    print(f"{index + len(echo['cost4'] + echo['cost3'])} :
{cost1}")

                admin_input = int(input("tambah echo cost berapa? (tekan 5
untuk jika selesai) : "))

            if admin_input == 5 :
                ("selesai menambahkan ")
                break

            admin_mod = input("masukkan nama echo : ")
            if admin_input == 4 :
                echo["cost4"].append(admin_mod)
```

```

        print(f"berhasil menambahkan {admin_mod} ke echo cost 4")

    elif admin_input == 3 :
        echo["cost3"].append(admin_mod)
        print(f"berhasil menambahkan {admin_mod} ke echo cost 3")

    elif admin_input == 1 :
        echo["cost1"].append(admin_mod)
        print(f"berhasil menambahkan {admin_mod} ke echo cost 1")

    else :
        print(f"echo cost {admin_input} tidak ada ")

#hapus echo
elif admin_input == 1 :
    while True :
        os.system('cls' if os.name == 'nt' else 'clear')
        if len(echo["cost4"]) < 2 or len(echo["cost3"]) < 2 or
len(echo["cost1"]) < 2 :
            print("opsi hapus berhenti")
            print("masing masing echo dgn cost berbeda setidaknya punya 1
echo")

            break
        print("echo cost 4 : ")
        for index,cost4 in enumerate(echo["cost4"]) :
            print(f"{index} : {cost4}")

        print("echo cost 3 : ")
        for index,cost3 in enumerate(echo["cost3"]) :
            print(f"{index + len(echo['cost4'])} : {cost3}")

        print("echo cost 1 : ")
        for index,cost1 in enumerate(echo["cost1"]) :
            print(f"{index + len(echo['cost4'] + echo['cost3'])} :
{cost1}")

    admin_input= int(input("masukkan nomor yang ingin dihapus (20
untuk selesai) : "))

    if admin_input <= len(echo["cost4"]) - 1 :
        echo["cost4"].pop(admin_input)

    elif admin_input <= len(echo["cost4"] + echo["cost3"]) -1 :
        echo["cost3"].pop(admin_input - len(echo["cost3"]))

    elif admin_input <= len(echo["cost4"] + echo["cost3"] +
echo["cost1"]) -1 :

```

```

        echo["cost1"].pop(admin_input - len(echo["cost3"]) +
echo["cost1"]))

    elif admin_input == 20 :
        print("selesai hapus echo")
        break

    else :
        print("input salah")

    elif admin_input == 20 :
        print("log out admin")
        break

    admin_input = int(input("ingin tambah(0) echo, hapus(1) echo, atau
log out(20)? : "))

```

#### 4. Hasil Output

```

masukkan lagi echo yang mau dipilih : 11
tekan 21 untuk selesai buat preset
masukkan lagi echo yang mau dipilih : 21
masukkan lagi echo yang mau dipilih : 21
new preset 0 : ['aero predator', 'aero predator']

```

Gambar 4.1 hasil output buat preset baru

```

echo yang dipilih : ['aero predator', 'aero predator', 'inferno rider', 'aero predator']
edit value yang ke? : 0
echo cost 4 :
0 : Bell-Borne Geochelone
1 : crownless
2 : Fellian Beringal
3 : inferno rider
echo cost 3 :
4 : chop chop
5 : chaserazor
6 : kerasaur
7 : hoochief
echo cost 1 :
8 : fusion prism
9 : gulpuff
10 : excarat
11 : aero predator
ubah aero predator jadi? : 2
nama preset : ['fusion prism', 'aero predator', 'inferno rider', 'aero predator']
pilih preset yang ingin di edit (tekan 0 atau selain preset sebanyak dua kali untuk berhenti edit) :

```

Gambar 4.2 hasil opsi user (edit echo)

```

preset yang dipilih : ['aero predator', 'Bell-Borne Geochelone', 'Bell-Borne Geochelone']
yakin ingin hapus preset?(0 untuk ya) :

```

kamu belum punya preset untuk dilihat

gambar 4.3 opsi user (delete preset)

```

preset yang dipilih : ['aero predator', 'aero predator', 'Fellian Beringal']
ubah jadi? : aerox

```

```

ubah nama berhasil
aerox : ['aero predator', 'aero predator', 'Fellian Beringal']

```

gambar 4.4 opsi user (ganti nama preset)

```
echo cost 4 :  
0 : Bell-Borne Geochelone  
1 : crownless  
2 : Fellian Beringal  
3 : inferno rider  
echo cost 3 :  
4 : chop chop  
5 : chaserazor  
6 : kerasaur  
7 : hoochief  
echo cost 1 :  
8 : fusion prism  
9 : gulpuff  
10 : excarat  
11 : aero predator  
tambah echo cost berapa? (tekan 5 untuk jika selesai) : 4  
masukkan nama echo : leviathan
```

```
echo cost 4 :  
0 : Bell-Borne Geochelone  
1 : crownless  
2 : Fellian Beringal  
3 : inferno rider  
4 : leviathan  
echo cost 3 :  
5 : chop chop  
6 : chaserazor  
7 : kerasaur  
8 : hoochief  
echo cost 1 :  
9 : fusion prism  
10 : gulpuff  
11 : excarat  
12 : aero predator  
tambah echo cost berapa? (tekan 5 untuk jika selesai) :
```

gambar 4.5 opsi admin (tambah echo)



```
echo cost 4 :  
0 : Bell-Borne Geochelone  
1 : crownless  
2 : Fellian Beringal  
3 : inferno rider  
4 : leviathan  
echo cost 3 :  
5 : chop chop  
6 : chaserazor  
7 : kerasaur  
8 : hoochief  
9 : chaserazor  
echo cost 1 :  
10 : fusion prism  
11 : gulpuff  
12 : excarat  
13 : aero predator  
masukkan nomor yang ingin dihapus (20 untuk selesai) : 9
```

```
echo cost 4 :  
0 : Bell-Borne Geochelone  
1 : crownless  
2 : Fellian Beringal  
3 : inferno rider  
4 : leviathan  
echo cost 3 :  
5 : chop chop  
6 : chaserazor  
7 : kerasaur  
8 : hoochief  
echo cost 1 :  
9 : fusion prism  
10 : gulpuff  
11 : excarat  
12 : aero predator  
masukkan nomor yang ingin dihapus (20 untuk selesai) :
```

gambar 4.6 opsi admin (delete echo)

## 5. Langkah-langkah GIT

### 5.1 GIT Init

```
ozora@ozra MINGW64 /g/praktikum/APD/A2-25 (main)
$ git init
Reinitialized existing Git repository in G:/praktikum/APD/A2-25/.git/
```

gambar 5.1 inisiasi git

### 5.2 GIT Add

```
ozora@ozra MINGW64 /g/praktikum/APD/A2-25 (main)
$ git add .
```

gambar 5.2 menambahkan file baru ke git

### 5.3 GIT Commit

```
ozora@ozra MINGW64 /g/praktikum/APD/A2-25 (main)
$ git commit -m "submit file posstest 5"
[main a6b4db8] submit file posstest 5
4 files changed, 112 insertions(+), 41 deletions(-)
create mode 100644 post-test/post-test-apd-5/2509106038-Febrianno-Ozora-Alinanto-PT-5.pdf
rename post-test/post-test-apd-5/{2509106038-Febrianno-Ozora-Alinanto-PT_5.py => 2509106038-Febrianno-Ozora-Alinanto-PT-5.py} (91%)
```

gambar 5.3 commit git local

### 5.4 GIT Remote

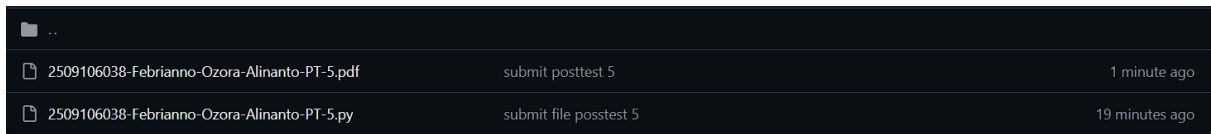
```
ozora@ozra MINGW64 /g/praktikum/APD/A2-25 (main)
$ git remote add origin https://github.com/ojola444/praktikum-apd
error: remote origin already exists.
```

gambar 5.4 git remote

### 5.5 GIT Push

```
ozora@ozra MINGW64 /g/praktikum/APD/A2-25 (main)
$ git commit -m "submit file posstest 5"
[main a6b4db8] submit file posstest 5
4 files changed, 112 insertions(+), 41 deletions(-)
create mode 100644 post-test/post-test-apd-5/2509106038-Febrianno-Ozora-Alinanto-PT-5.pdf
rename post-test/post-test-apd-5/{2509106038-Febrianno-Ozora-Alinanto-PT_5.py => 2509106038-Febrianno-Ozora-Alinanto-PT-5.py} (91%)
```

gambar 5.5 push commit local ke repository main



2509106038-Febrianno-Ozora-Alinanto-PT-5.pdf	submit posttest 5	1 minute ago
2509106038-Febrianno-Ozora-Alinanto-PT-5.py	submit file posstest 5	19 minutes ago

gambar 5.6 hasil push github