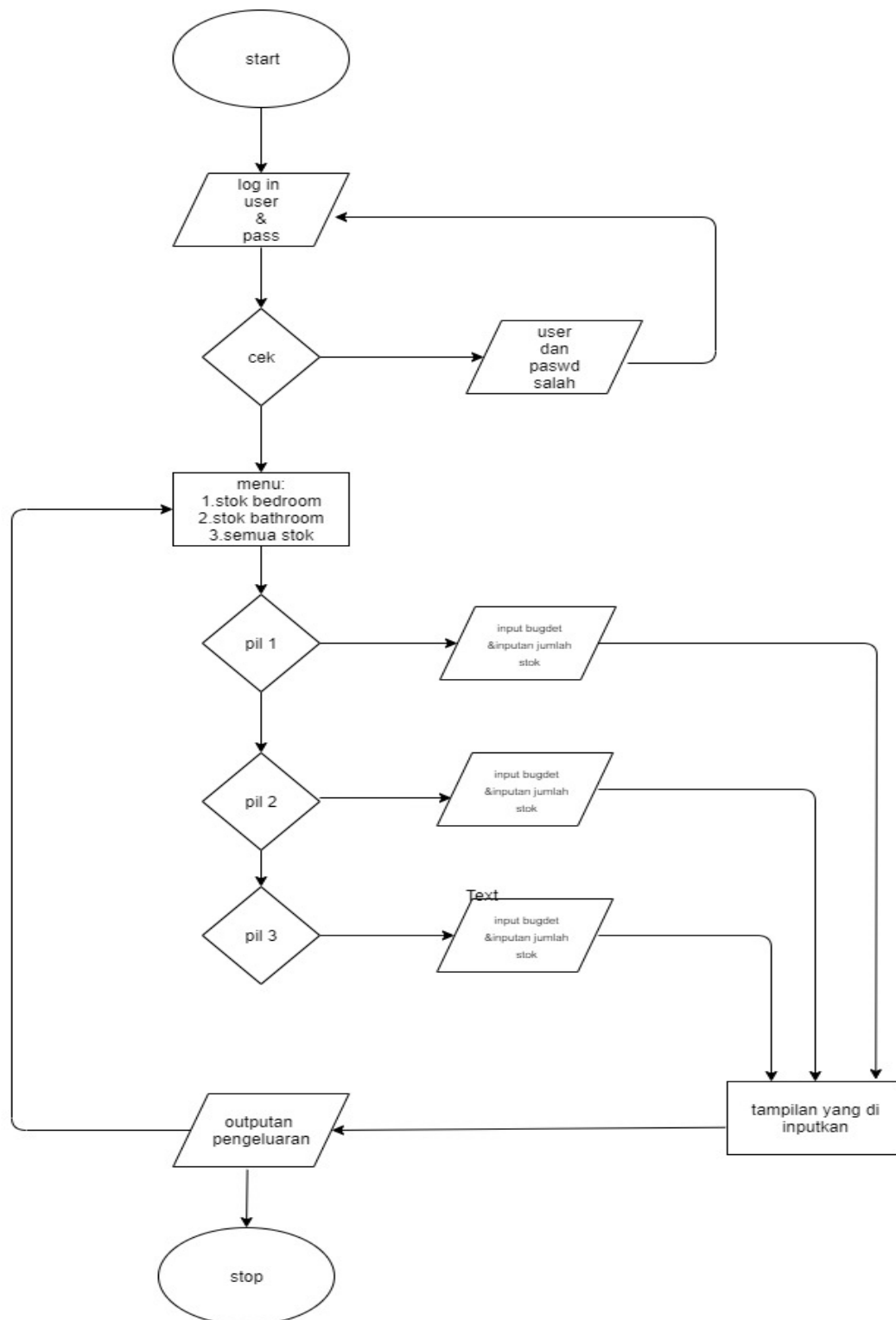


## A. Flowchart



## B. Pseudocode

```
///program menghitung stok room hotel///
#include<stdio.h>
main()
kamus data {
struct room { char bedroom[20];
               char bathroom[20];}stokroom;
struct bedroom {int kst;
                int sdi;
                int pwg;}stokbdroom;
stuct bathroom{ int sbn;
                int smp      ;
                int sktgg;}stokbtroom;
char savedusername[24],savedpassword[24],username[24],password[24];
int nilai[7];
nilai[1]=3000;
nilai[2]=8000;
nilai[3]=2000;
nilai[4]=2000;
nilai[5]=2000;
nilai[6]=2000;
nilai[7]=5000000;
char menu;
int total, sisah;
int i=0;

///proses///

do{
    masukan username;
    masukan password;
    if benar{
        tampilkan=selamat datang;}
    else {
        tampilkan=password salah;
        i++;}
}while(i<3);
    if(i>=3)

{tampilkan=AKSES DITOLAK;
return(0);
}

mulai:
    tampilkan("Budget untuk pembelian stok room Rp.5.000.000\n");
    tampilkan ("stok room hotel anda:\n");
    tampilkan ("[1] bed room stok\n");
    tampilkan ("[2] bath room stok\n");
    tampilkan ("[3] semua stok room \n");

    switch(menu)
```

```

{case 1:
tampilkan menu 1;
1.sandal=3000;
2.keset=8000;
3.pewangi=2000;

masukan pesanan sandal=;
masukan pesanan keset=;
masukan pesanan pewangi=;

total=stokbdroom.sdl*nilai[1]+stokbdroom.kst*nilai[2]+stokbdroom.pwg*nilai[3];
jumlah pengeluaran= ,total;
sisah=nilai[7]-
(stokbdroom.sdl*nilai[1]+stokbdroom.kst*nilai[2]+stokbdroom.pwg*nilai[3]);
sisah budget bulan ini= ,sisah;

tampilkan("1. Kembali Ke Menu Utama \n");
tampilkan ("0. Keluar \n")

if(menu == 1)
goto mulai;
else
goto exit;

return(0);
break;

case 2:

tampilkan menu 2;
1.sabun=3000;
2.shampo=8000;
3.sikat gigi=2000;
masukan pesanan sabun=;
masukan pesanan shampo=;
masukan pesanan sikat gigi=;

total=stokbtroom.sbn*nilai[4]+stokbtroom.smp*nilai[5]+stokbtroom.sktgg*nilai[6];
jumlah pengeluaran= ,total;
sisah=nilai[7]-
(stokbtroom.sbn*nilai[4]+stokbtroom.smp*nilai[5]+stokbtroom.sktgg*nilai[6]);
sisah budget bulan ini= sisah;
if(menu == 1)
goto mulai;
else
goto exit;

return(0);
break;

```

case 3:

tampilkan menu 3;

1.sandal=30000;

2.keset=8000;

3.pewangi=2000;

4.sabun=2000;

5.shampo=2000;

6.sikat gigi=2000;

masukan pesanan sandal=;

masukan pesanan keset=;

masukan pesanan pewangi=;

masukan pesanan sabun=;

masukan pesanan shampo=;

masukan pesanan sikat gigi=;

total=stokbdroom.sdl\*nilai[1]+stokbdroom.kst\*nilai[2]+stokbdroom.pwg\*nilai[3]+stokbtroom.sbn\*nilai[4]+stokbtroom.smp\*nilai[5]+stokbtroom.sktgg\*nilai[6]);

jumlah pengeluaran= ,total;

sisah=nilai[7]-

(stokbdroom.sdl\*nilai[1]+stokbdroom.kst\*nilai[2]+stokbdroom.pwg\*nilai[3]+stokbtroom.sbn\*nilai[4]+stokbtroom.smp\*nilai[5]+stokbtroom.sktgg\*nilai[6]);

sisah budget bulan ini= ,sisah;

if(menu == 1)

goto mulai;

else

goto exit;

return(0);

break;

}

exit:

case 4:

tampilkan= terimakasih;

return(0);

break;

end;

}

## C. Screenshot Program

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4 #include <windows.h>
5 main()
6 {
7     ///// PERHITUNGAN STOK AKHIRNIS ROOM HOTEL ///
8
9     struct room { char bdrroom[20];
10                  char bthroom[20]; } stokroom;
11
12     struct bedroom { int kst;
13                    int sdi;
14                    int pug;} stokbdrroom;
15
16     struct bathroom { int sbr;
17                     int shmp;
18                     int sktgg;} stokbtrroom;
19
20     char savedusername[24], savedpassword[24], username[24], password[24];
21     int nilai[7];
22     nilai[1]=30000;
23     nilai[2]=80000;
24     nilai[3]=20000;
25     nilai[4]=20000;
26     nilai[5]=20000;
27     nilai[6]=20000;
28     nilai[7]=50000000;
29     char menu;
30     int total, sisah;
31     int i=0;
32
33     {
34         strcpy(savedusername, "rama");
35         strcpy(savedpassword, "1234");
36     }
37
38     do{
39         printf("Username : ");
40         gets(username);
41         printf("Password : ");
42         gets(password);
43         system("cls");
44         if((strcmp(username, savedusername)==0)&&(strcmp(password, savedpassword)==0))
45         {
46             printf("=====\\n");
47             printf("----- SELAMAT DATANG -----\\n");
48             printf("=====\\n");
49             Sleep(2500);
50
51             break;
52         }
53         else
54         {
55             printf("=====\\n");
56             printf("      PASSWORD SALAH\\n");
57             printf("=====\\n");
58             i++;
59             Sleep(2000);
60             system("cls");
61         }
62     }while(i<3);
63     if(i>=3)
64     {
65         printf("AKSES DITOLAK\\n");
66         return 0;
67     }
68     printf("\\n\\n");
69     system("pause");
70 }
```

```

Project Classes Debug 191110003_muchammad_ramadhan_12d.cpp
136 printf("3. sikat gigi=");
137 scanf("%d",&stokbtroom.sktgg); printf("Rp. %d\n",stokbtroom.sktgg*nilai[6]);
138 printf("Kd Rp. 2000=",stokbtroom.sktgg); printf("Rp. %d\n",stokbtroom.sktgg*nilai[6]);
139 printf("=====n");
140 total=(stokbtroom.sbn*nilai[4]+stokbtroom.shmp*nilai[5]+stokbtroom.sktgg*nilai[6]);
141 printf("Total harga yang dikeluarkan bulan ini: Rp. %d\n",total);
142 printf("=====n");
143 printf("=====n");
144 sisa=(nilai[7]-(stokbtroom.sbn*nilai[4]+stokbtroom.shmp*nilai[5]+stokbtroom.sktgg*nilai[6]));
145 printf("Sisa budget bulan setelah pembelian barang stok: Rp. %d\n",sisa);
146 printf("=====n");
147 printf("1. Kembali ke Menu utama\n");
148 printf("0. Keluar\n");
149 printf("Pilih :");
150 scanf("%d",&menu);
151 if(menu == 1)
152 goto mulai;
153 else
154 goto exit;
155
156 return(0);
157 break;
158
159
160 case 3:
161 printf("1. sandal Rp. 3000\n");
162 printf("2. kaset Rp. 2000\n");
163 printf("3. pewangi Rp. 2000\n");
164 printf("4. sabun Rp. 2000\n");
165 printf("5. shampo Rp. 2000\n");
166 printf("6. sikat gigi Rp. 2000\n");
167
168 printf("=====n");
169 printf("Jumlah stok barang yang ingin dipesan\n");
170 printf("=====n");
171
172 printf("1. sandal=");
173 scanf("%d",&stokbdroom.sdl);
174 printf("Kd Rp. 3000=",stokbdroom.sdl); printf("Rp. %d\n",stokbdroom.sdl*nilai[1]);
175 printf("2. kaset=");
176 scanf("%d",&stokbdroom.kst);
177 printf("Kd Rp. 2000=",stokbdroom.kst); printf("Rp. %d\n",stokbdroom.kst*nilai[2]);
178 printf("3. pewangi=");
179 scanf("%d",&stokbdroom.pwg);
180 printf("Kd Rp. 2000=",stokbdroom.pwg); printf("Rp. %d\n",stokbdroom.pwg*nilai[3]);
181 printf("4. sabun=");
182 scanf("%d",&stokbtroom.sbn);
183 printf("Kd Rp. 2000=",stokbtroom.sbn); printf("Rp. %d\n",stokbtroom.sbn*nilai[4]);
184 printf("5. shampo=");
185 scanf("%d",&stokbtroom.shmp);
186 printf("Kd Rp. 2000=",stokbtroom.shmp); printf("Rp. %d\n",stokbtroom.shmp*nilai[5]);
187 printf("6. sikat gigi=");
188 scanf("%d",&stokbtroom.sktgg);
189 printf("Kd Rp. 2000=",stokbtroom.sktgg); printf("Rp. %d\n",stokbtroom.sktgg*nilai[6]);
190 printf("=====n");
191 total=(stokbdroom.sdl*nilai[1]+stokbdroom.kst*nilai[2]+stokbdroom.pwg*nilai[3]+stokbtroom.sbn*nilai[4]+stokbtroom.shmp*nilai[5]+stokbtroom.sktgg*nilai[6]);
192 printf("Total harga yang dikeluarkan bulan ini: Rp. %d\n",total);
193 printf("=====n");
194 printf("=====n");
195 sisa=(nilai[7]-(stokbdroom.sdl*nilai[1]+stokbdroom.kst*nilai[2]+stokbdroom.pwg*nilai[3]+stokbtroom.sbn*nilai[4]+stokbtroom.shmp*nilai[5]+stokbtroom.sktgg*nilai[6]));
196 printf("Sisa budget bulan setelah pembelian barang stok: Rp. %d\n",sisa);
197 printf("=====n");
198 printf("1. Kembali ke Menu utama\n");
199
200 printf("0. Keluar\n");
201 printf("Pilih :");
202 scanf("%d",&menu);
203 if(menu == 1)
204 goto mulai;
205 else
206 goto exit;
207
208 return(0);
209 break;
210 exit:
211 case 4:
212 printf("=====n");
213 printf("TERIMA KASIH\n");
214 printf("=====n");
215 return(0);
216 break;
217
218 }
219
220 }
221
222 }
223
224
225
226

```

## D. Running Program

Select C:\Users\muchu\Documents\praktik algoritma\UAS Algo\program uas int\191110003\_muchammad\_ramadhan\_12d.exe

```
=====
SELAMAT DATANG
=====

Press any key to continue . . .
Budget untuk pembelian stok room Rp.5.000.000
stok room hotel anda:
[1] bed room stok
[2] bath room stok
[3] semua stok room

pilih menu:1
1.sandal=Rp.3000
2.keset=Rp.8000
3.pewangi=Rp.2000
=====

Jumlah stok barang yang ingin dipesan bulan ini
=====
1.sandal=1
1*Rp.3000=Rp.3000
2.keset=1
1*Rp.8000=Rp.8000
3.pewangi=1
1*Rp.2000=Rp.2000
=====
total harga yang dikeluarkan bulan ini: Rp.13000
=====

sisah budget bulan setelah pembelian barang stok:Rp. 4967000
=====
1. Kembali Ke Menu Utama
0. Keluar
Pilih :1
Budget untuk pembelian stok room Rp.5.000.000
stok room hotel anda:
[1] bed room stok
```

```
1.sabun=Rp.2000
2.shampo=Rp.2000
3.sikat gigi=Rp.2000
=====

Jumlah stok barang yang ingin dipesan
=====
1.sabun=1
1*Rp.2000=Rp.2000
2.shampo=1
1*Rp.2000=Rp.2000
3.sikat gigi=1
1*Rp.2000=Rp.2000
=====
total harga yang dikeluarkan bulan ini: Rp. 6000
=====

sisah budget bulan setelah pembelian barang stok: Rp. 4994000
=====
1. Kembali Ke Menu Utama
0. Keluar
Pilih :0

=====
TERIMA KASIH
=====

Process exited after 24.4 seconds with return value 0
Press any key to continue . . .
```