**APLIKASI PEMBELIAN TIKET KONSER KPOP**

**DENGAN BAHASA PEMOGRAMAN *C++***

Oleh:

RIZKI WINDIAWAN (1810631170108)

YAYU PRATIWI H (1810631170186)



**PROGRAM STUDI TEKNIK INFORMATIKA**

**FAKULTAS ILMU KOMPUTER**

**UNIVERSITAS SINGAPERBANGSA KARAWANG**

**KARAWANG**

**2019**

**KPOP**

Nama : Rizki Windiawan

NPM : 1810631170108

Kelas : 2E

Penugasan : - Programmer ke-1

- Penyusun Laporan

- Pembuat flowchart

Nama : Yayu Pratiwi H

NPM : 1810631170186

Kelas : 2E

Penugasan : - Programmer ke-2

- Penyusun Laporan

**Bisnis Proses Aplikasi :**

Aplikasi Pembelian Tiket Konser ini menggunakan bahasa pemograman basis *C++* dan menggunakan system main menu utama yang menampilkan :

1. List untuk melihat daftar Konser,Jadwal Konser,serta Kelas Konser.
2. Menu Transaksi untuk memesan
3. Program Exit.

Selain itu aplikasi ini juga menerapkan system sub program dengan menggunakan fungsi untuk menjalankan input data dan transaksi pembelian tiket,serta dilengkapi dengan fitur back sehingga dapat kembali apabila terdapat kesalahan input. Pada aplikasi ini juga memiliki user interface yang nyaman untuk dilihat oleh penggunanya.

**Fasilitas Utama :**

1. Menampilkan Form Login (admin)
2. Menampilkan Menu Utama
3. Menampilkan List untuk melihat daftar Konser,Jadwal Konser,serta Kelas Konser.
4. Menampilkan Menu Transaksi
5. Fitur Transaksi Lagi
6. Rekap Data

**Fasilitas Tambahan :**

1. Fitur Back & Exit
2. Fitur Loading
3. User Interface

**Pseudocode :**

**Judul :** Program Pemesanan Tiket Konser

**Deklarasi :** user, pass : *string*

nama, login, loading ,pil; : *integer*

stj,nama : *character*

gotoxy(),kpop(),pertama(),kedua(), : *void*

menu\_utama(),header(),keluar(),

keluar\_langsung(),salah()login();

**Deskripsi :** *Input* user & pass

*If* user = admin && pass = admin

*Then* menu\_utama()

*Else* Username atau Password salah, silakan login kembali.

*Output* menu : 1. List Konser/Jadwal/Kelas

2. Pembelian Tiket

3. Exit

*Input* pilihan menu (1, 2, 3)

*Switch* (pil)

*Case* 1 : pertama()

*Case* 2 : kedua()

*Case* 3 : keluar2()

*Default*: Salah()

*Void* pertama()

*Read* pertama()

*Void* kedua()

*Input* Nama

*Input* Jenis Kelamin

*Input* Konser

*Input* Waktu Konser

*Input* Kelas Konser

*Input* Jumlah Pemesanan

*Input* Setuju/Tidak

*Write* (Nama,Jenis Kelamin,Konser,Waktu Konser,Kelas Konser)

*Write*(Bonus=Kelas Konse)

*Write* (Harga=Kelas Konser\*Jumlah Pemesanan)

*Void* keluar2()

*Read* keluar2()

*Exit(0)*

**Source Code** :

#include <iostream>

#include <stdio.h>

#include <conio.h>

#include <windows.h>

#include <string.h>

using namespace std;

void gotoxy(),kpop(),pertama(),kedua(),menu\_utama(),header(),keluar(),keluar\_langsung(),salah();

int nama(),login(),loading(),pil;

main()

{

system("color 79");

login();

nama();

while(3)

{

menu\_utama();

switch(pil)

{

case 1:

pertama();

break;

case 2:

kedua();

break;

case 3:

keluar\_langsung();

break;

default:

salah();

getch();

break;

}

}

}

void gotoxy(int x, int y) //fungsi untuk membuat titik kordinat

{

HANDLE hConsoleOutput;

COORD dwCursorPosition;

dwCursorPosition.X=x;

dwCursorPosition.Y=y;

hConsoleOutput=GetStdHandle(STD\_OUTPUT\_HANDLE);

SetConsoleCursorPosition(hConsoleOutput,dwCursorPosition);

}

void salah()

{

gotoxy(40,22); cout<<"INPUT YANG ANDA MASUKAN SALAH!!!";

}

void kpop() //SUBPROGRAM nama kelompok

{

gotoxy(35,4); cout<<"============================================="<<endl;Sleep(300);

gotoxy(35,5); cout<<"| || // ====== == ====== |"<<endl;Sleep(300);

gotoxy(35,6); cout<<"| || // || | || || || | |"<<endl;Sleep(300);

gotoxy(35,7); cout<<"| ||<< == ||===== || || ||===== |"<<endl;Sleep(300);

gotoxy(35,8); cout<<"| || || || || || || |"<<endl;Sleep(300);

gotoxy(35,9); cout<<"| || || || == || |"<<endl;Sleep(300);

gotoxy(35,10); cout<<"============================================="<<endl;Sleep(300);

}

int login()

{

string user, pass ;

gotoxy(37,2);cout<<" ==================================="<<endl;

gotoxy(37,3);cout<<" | Silakan Login |"<<endl;

gotoxy(37,4);cout<<" ==================================="<<endl;

gotoxy(48,5);cout<<"-----------------"<<endl;

gotoxy(48,5);cout<<" Username : ";

cin>>user;

gotoxy(48,6);cout<<"-----------------"<<endl;

gotoxy(48,6);cout<<" Password : ";

cin>>pass;

if(user=="admin" && pass=="admin")

{

gotoxy(48,7);cout<<"==Login Berhasil==";Sleep(1000);

system("cls");

loading();

}

else

{

gotoxy(36,7);cout<<"!!Login Gagal,Username atau Password Salah!!";Sleep(1000);

system("cls");

login();

}

}

int loading()

{ //SUBPROGRAM fungsi untuk loading

int n,j;

for(n=0;n<45;n++)

{

gotoxy(50,5);cout<<"Please Wait ";

gotoxy(35,6);cout<<"";

for(j=0;j<n;j++)

{

cout<<"=";

}

system("cls");

}

}

int nama()

{

kpop();

gotoxy(25,12);cout<<"Anggota Kelompok:\n";

gotoxy(25,13);cout<<"\t Rizki Windiawan 1810631170108\n";Sleep(300); //Sleep untuk delay time

gotoxy(25,14);cout<<"\t Yayu Pratiwi H 1810631170186\n";Sleep(300);

gotoxy(25,16);cout<<"Press any key to continue...";

cin.get();

getch();

}

void header() //SUBPROGRAM Header

{

gotoxy(30,2);cout<<"=========================================================";

gotoxy(30,3);cout<<"||| WELCOME K-POP LOVERS |||";

gotoxy(30,4);cout<<"||| PEMESANAN KHUSUS UNTUK TIKET KONSER K-POP |||";

gotoxy(30,5);cout<<"=========================================================";

}

void menu\_utama() //SUBPROGRAM untuk main menu

{

system("cls");

header();

gotoxy(40,6); cout<<"=================================";

gotoxy(40,7); cout<<"| M A I N M E N U |";

gotoxy(40,8); cout<<"=================================";

gotoxy(40,9); cout<<"| |";

gotoxy(40,10);cout<<"| 1. List Konser/Jadwal/Paket |";

gotoxy(40,11);cout<<"| |";

gotoxy(40,12);cout<<"|-------------------------------|";

gotoxy(40,13);cout<<"| |";

gotoxy(40,14);cout<<"| 2. Pembelian Tiket |";

gotoxy(40,15);cout<<"| |";

gotoxy(40,16);cout<<"|-------------------------------|";

gotoxy(40,17);cout<<"| |";

gotoxy(40,18);cout<<"| 3. Exit |";

gotoxy(40,19);cout<<"| |";

gotoxy(40,20);cout<<"=================================";

gotoxy(40,21);cout<<"Pilihan Anda : ";cin>>pil;

fflush(stdin);

}

void pertama()

{

system("cls");

header();

gotoxy(0,6); cout<<"====================================\n";

gotoxy(0,7); cout<<"| NO.| Konser | Jadwal Konser |\n";

gotoxy(0,8); cout<<"====================================\n";

gotoxy(0,9); cout<<"| | | Siang Jam 11:00 |\n";

gotoxy(0,10);cout<<"| 1. | NCT | Sore Jam 17:00 |\n";

gotoxy(0,11);cout<<"| | | Malam Jam 23:00 |\n";

gotoxy(0,12);cout<<"|----------------------------------|\n";

gotoxy(0,13);cout<<"| | | Siang Jam 11:00 |\n";

gotoxy(0,14);cout<<"| 2. | SNSD | Sore Jam 17:00 |\n";

gotoxy(0,15);cout<<"| | | Malam Jam 23:00 |\n";

gotoxy(0,16);cout<<"|----------------------------------|\n";

gotoxy(0,17);cout<<"| | | Siang Jam 11:00 |\n";

gotoxy(0,18);cout<<"| 3. | BLACKPINK | Sore Jam 17:00 |\n";

gotoxy(0,19);cout<<"| | | Malam Jam 23:00 |\n";

gotoxy(0,20);cout<<"|----------------------------------|\n";

gotoxy(0,21);cout<<"| | | Siang Jam 09:00 |\n";

gotoxy(0,22);cout<<"| 4. | Hime-Hime | Sore Jam 15:00 |\n";

gotoxy(0,23);cout<<"| | | Malam Jam 16:00 |\n";

gotoxy(0,24);cout<<"====================================\n";

gotoxy(40,6); cout<<"===============================================================================\n";

gotoxy(40,7); cout<<"| Paket Konser | Harga | Benefit |\n";

gotoxy(40,8); cout<<"|-----------------------------------------------------------------------------|\n";

gotoxy(40,9); cout<<"| | | |\n";

gotoxy(40,10); cout<<"| PLATINUM | Rp1.000.000 | Tempat khusus,Totebag,Snack,Lightstick,T-Shirt |\n";

gotoxy(40,11); cout<<"| | | |\n";

gotoxy(40,12); cout<<"|-----------------------------------------------------------------------------|\n";

gotoxy(40,13); cout<<"| | | |\n";

gotoxy(40,14); cout<<"| GOLD | Rp750.000 | Tempat khusus,Totebag,Snack,T-Shirt |\n";

gotoxy(40,15); cout<<"| | | |\n";

gotoxy(40,16); cout<<"|-----------------------------------------------------------------------------|\n";

gotoxy(40,17); cout<<"| | | |\n";

gotoxy(40,18); cout<<"| SILVER | Rp500.000 | Totebag,Snack,T-Shirt |\n";

gotoxy(40,19); cout<<"| | | |\n";

gotoxy(40,20); cout<<"===============================================================================\n";

gotoxy(0,25);cout<<"\nPress any key to back to the menu...";

cin.get();

}

void kedua()

{

long int ksr,wkt,klm,kls,jum,harga,menu\_utama;

char stj,nama[50];

menu:

system("cls");

header();

gotoxy(20,6);cout<<"Masukkan Nama Anda\t : ";cin>>nama;

fflush(stdin);

system("cls");

klm:

header();

gotoxy(40,6); cout<<"================================="<<endl;

gotoxy(40,7); cout<<"| NO.| Jenis Kelamin |"<<endl;

gotoxy(40,8); cout<<"================================="<<endl;

gotoxy(40,9); cout<<"| 1. | Laki-Laki |"<<endl;

gotoxy(40,10);cout<<"|-------------------------------|"<<endl;

gotoxy(40,11);cout<<"| 2. | Perempuan |"<<endl;

gotoxy(40,12);cout<<"|-------------------------------|"<<endl;

gotoxy(40,13);cout<<"| 3. | Kembali |"<<endl;

gotoxy(40,14);cout<<"================================="<<endl;

gotoxy(40,15);cout<<"Pilih [1-3]: ";cin>>klm;

fflush(stdin);

system("cls");

if (klm<=2)

{

goto ksr;

}

else if (klm==3)

{

goto menu;

}

else

{

gotoxy(40,16);cout<<"INPUT YANG ANDA MASUKAN SALAH !!!"<<endl;

goto klm;

}

ksr:

header();

gotoxy(40,6); cout<<"================================="<<endl;

gotoxy(40,7); cout<<"| NO.| Konser |"<<endl;

gotoxy(40,8); cout<<"================================="<<endl;

gotoxy(40,9); cout<<"| 1. | NCT |"<<endl;

gotoxy(40,10);cout<<"|-------------------------------|"<<endl;

gotoxy(40,11);cout<<"| 2. | SNSD |"<<endl;

gotoxy(40,12);cout<<"|-------------------------------|"<<endl;

gotoxy(40,13);cout<<"| 3. | BLACKPINK |"<<endl;

gotoxy(40,14);cout<<"|-------------------------------|"<<endl;

gotoxy(40,15);cout<<"| 4. | Hime-Hime |"<<endl;

gotoxy(40,16);cout<<"|-------------------------------|"<<endl;

gotoxy(40,17);cout<<"| 5. | Kembali |"<<endl;

gotoxy(40,18);cout<<"================================="<<endl;

gotoxy(40,19); cout<<"Pilih [1-5]: ";cin>>ksr;

fflush(stdin);

system("cls");

if (ksr<=4)

{

goto wkt;

}

else if (ksr==5)

{

goto klm;

}

else

{

gotoxy(40,20);cout<<"INPUT YANG ANDA MASUKAN SALAH !!!"<<endl;

goto ksr;

}

wkt:

header();

gotoxy(40,6); cout<<"================================="<<endl;

gotoxy(40,7); cout<<"| NO.| Waktu |"<<endl;

gotoxy(40,8); cout<<"================================="<<endl;

gotoxy(40,9); cout<<"| 1. | Siang |"<<endl;

gotoxy(40,10);cout<<"|-------------------------------|"<<endl;

gotoxy(40,11);cout<<"| 2. | Sore |"<<endl;

gotoxy(40,12);cout<<"|-------------------------------|"<<endl;

gotoxy(40,13);cout<<"| 3. | Malam |"<<endl;

gotoxy(40,14);cout<<"|-------------------------------|"<<endl;

gotoxy(40,15);cout<<"| 4. | Kembali |"<<endl;

gotoxy(40,16);cout<<"================================="<<endl;

gotoxy(40,17);cout<<"Pilih [1-4]: ";cin>>wkt;

fflush(stdin);

system("cls");

if (wkt<=3)

{

goto kls;

}

else if (wkt==4)

{

goto klm;

}

else

{

gotoxy(40,18);cout<<"INPUT YANG ANDA MASUKAN SALAH !!!"<<endl;

goto wkt;

}

kls:

header();

gotoxy(40,6); cout<<"================================="<<endl;

gotoxy(40,7); cout<<"| NO.| Kelas |"<<endl;

gotoxy(40,8); cout<<"================================="<<endl;

gotoxy(40,9); cout<<"| 1. | Platinum |"<<endl;

gotoxy(40,10);cout<<"|-------------------------------|"<<endl;

gotoxy(40,11);cout<<"| 2. | Gold |"<<endl;

gotoxy(40,12);cout<<"|-------------------------------|"<<endl;

gotoxy(40,13);cout<<"| 3. | Silver |"<<endl;

gotoxy(40,14);cout<<"|-------------------------------|"<<endl;

gotoxy(40,15);cout<<"| 4. | Kembali |"<<endl;

gotoxy(40,16);cout<<"================================="<<endl;

gotoxy(40,17);cout<<"Pilih [1-4]: ";cin>>kls;

fflush(stdin);

system("cls");

if (kls<=3)

{

goto psnn;

}

else if (kls==4)

{

goto klm;

}

else

{

gotoxy(40,18);cout<<"INPUT YANG ANDA MASUKAN SALAH !!!"<<endl;

goto kls;

}

psnn:

header();

gotoxy(20,6);cout<<"Masukkan Jumlah Pemesanan : ";cin>>jum;

fflush(stdin);

system("cls");

header();

gotoxy(20,7);cout<<"Jumlah Tiket Yang di Pesan : "<<jum<<" Tiket";

{

if (kls==1)

{

gotoxy(20,8);cout<<"Kelas Yang Dipilih : Platinum";

gotoxy(20,9);cout<<"Harga Satuan Tiket : Rp 1.000.000";

}

else if (kls==2)

{

gotoxy(20,8);cout<<"Kelas Yang Dipilih : Gold";

gotoxy(20,9);cout<<"Harga Satuan Tiket : Rp 750.000";

}

else if (kls==3)

{

gotoxy(20,8);cout<<"Kelas Yang Dipilih : Silver";

gotoxy(20,9);cout<<"Harga Satuan Tiket : Rp 500.000";

}

}

gotoxy(20,11);cout<<"====================================================";

{

if (kls==1)

{

harga=jum\*1000000;

gotoxy(20,12);cout<<"Total Harga = Rp"<<harga;

}

else if (kls==2)

{

harga=jum\*750000;

gotoxy(20,12);cout<<"Total Harga = Rp"<<harga;

}

else

{

harga=jum\*500000;

gotoxy(20,12);cout<<"Total Harga = Rp"<<harga;

}

}

gotoxy(20,14);cout<<"Apakah Anda Setuju [Y/T]: ";cin>>stj;

system("cls");

if (stj=='y')

{

loading();

goto rekap;

}

else

{

goto menu;

}

rekap:

header();

gotoxy(20,7);cout<<"===============================================================================";

gotoxy(20,8);cout<<" TIKET KONSER YANG ANDA PESAN ";

gotoxy(20,9);cout<<"-------------------------------------------------------------------------------";

gotoxy(20,10);cout<<"Nama\t\t : "<<nama;

switch(klm)

{

case 1:

gotoxy(20,11);cout<<"Jenis Kelamin\t : Laki-Laki ";

break;

default:

gotoxy(20,11);cout<<"Jenis Kelamin\t : Perempuan ";

break;

}

switch(ksr)

{

case 1:

gotoxy(20,12);cout<<"Konser\t\t : NCT ";

break;

case 2:

gotoxy(20,12);cout<<"Konser\t\t : SNSD ";

break;

case 3:

gotoxy(20,12);cout<<"Konser\t\t : BLACKPINK ";

break;

case 4:

gotoxy(20,12);cout<<"Konser\t\t : Hime-Hime ";

break;

}

switch(kls)

{

case 1:

gotoxy(20,13);cout<<"Kelas\t\t : Platinum ";

break;

case 2:

gotoxy(20,13);cout<<"Kelas\t\t : Gold ";

break;

default:

gotoxy(20,13);cout<<"Kelas\t\t : Silver ";

}

switch(ksr)

{

case 1:

if(kls==1)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Tempat Khusus,Totebag,Snack,Lightstick,T-Shirt Eksklusif ";}

else if(kls==2)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Tempat Khusus,Totebag,Snack,T-Shirt Eksklusif ";}

else if(kls==3)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Totebag,Snack,T-Shirt Eksklusif ";}

break;

case 2:

if(kls==1)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Tempat Khusus,Totebag,Snack,Lightstick,T-Shirt Eksklusif ";}

else if(kls==2)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Tempat Khusus,Totebag,Snack,T-Shirt Eksklusif ";}

else if(kls==3)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Totebag,Snack,T-Shirt Eksklusif ";}

break;

case 3:

if(kls==1)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Tempat Khusus,Totebag,Snack,Lightstick,T-Shirt Eksklusif ";}

else if(kls==2)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Tempat Khusus,Totebag,Snack,T-Shirt Eksklusif ";}

else if(kls==3)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Totebag,Snack,T-Shirt Eksklusif ";}

break;

case 4:

if(kls==1)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Totebang,Snack,Hardisk Eksternal berisi Koleksi Anime ";}

else if(kls==2)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Totebag,Snack,Flashdisk berisi Koleksi Anime ";}

else if(kls==3)

{gotoxy(20,15);cout<<"Bonus per-Tiket\t : Totebag,Snack ";}

break;

}

switch(ksr)

{

case 1:

if(wkt==1)

{gotoxy(20,16);cout<<"Jadwal Konser Siang ";}

else if(wkt==2)

{gotoxy(20,16);cout<<"Jadwal Konser Sore ";}

else if(wkt==3)

{gotoxy(20,16);cout<<"Jadwal Konser Malam ";}

break;

case 2:

if(wkt==1)

{gotoxy(20,16);cout<<"Jadwal Konser Siang ";}

else if(wkt==2)

{gotoxy(20,16);cout<<"Jadwal Konser Sore ";}

else if(wkt==3)

{gotoxy(20,16);cout<<"Jadwal Konser Malam ";}

break;

case 3:

if(wkt==1)

{gotoxy(20,16);cout<<"Jadwal Konser Siang ";}

else if(wkt==2)

{gotoxy(20,16);cout<<"Jadwal Konser Sore ";}

else if(wkt==3)

{gotoxy(20,16);cout<<"Jadwal Konser Malam ";}

break;

case 4:

if(wkt==1)

{gotoxy(20,16);cout<<"Jadwal Konser Siang ";}

else if(wkt==2)

{gotoxy(20,16);cout<<"Jadwal Konser Sore ";}

else if(wkt==3)

{gotoxy(20,16);cout<<"Jadwal Konser Malam ";}

break;

}

gotoxy(20,17);cout<<"Jumlah Tiket Yang Dipesan "<<jum<<endl;

gotoxy(20,18);cout<<"-------------------------------------------------------------------------------"<<endl;

gotoxy(20,19);cout<<"Total Harga : Rp"<<harga<<",00"<<endl;

gotoxy(20,20);cout<<"==============================================================================="<<endl;

gotoxy(20,22);cout<<"Terimakasih Telah Memesan Tiket Pada Kami"<<endl;

gotoxy(20,23);cout<<"Apakah Anda Ingin Memesan Tiket Lagi?[y/t] : ";cin>>stj;

if (stj=='y'||stj=='Y')

{

system("cls");

goto menu;

}

else

system("cls");

{

keluar();

getch();

ExitProcess(0);

}

}

void keluar()

{

header(); //header program

char x[]={".:Terima Kasih Atas Pesanannya,Selamat Menonton:."}; //Ucapan Selamat

int a,b,i,n;

n=strlen(x);

for(i=0;i<n;i++)

{ for(a=0;a<=99999;a++){

for(b=0;b<=120;b++){

}

}

gotoxy(33+i,7);cout<<x[i];

}

Sleep(1000);

exit (0);

}

void keluar\_langsung()

{

system("cls");

header(); //header program

char x[]={".:Terima Kasih:."}; //Ucapan Selamat

int a,b,i,n;

n=strlen(x);

for(i=0;i<n;i++)

{ for(a=0;a<=99999;a++){

for(b=0;b<=120;b++){

}

}

gotoxy(50+i,7);cout<<x[i];

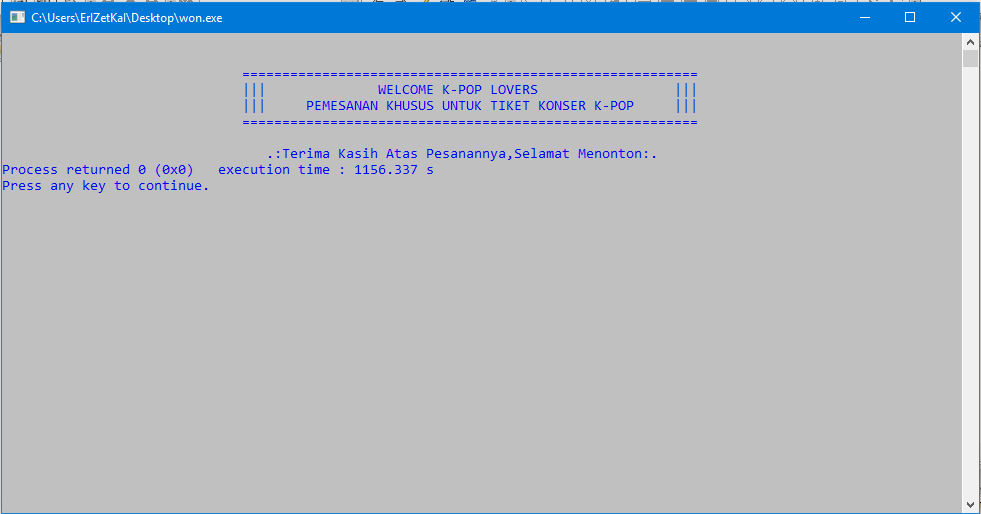
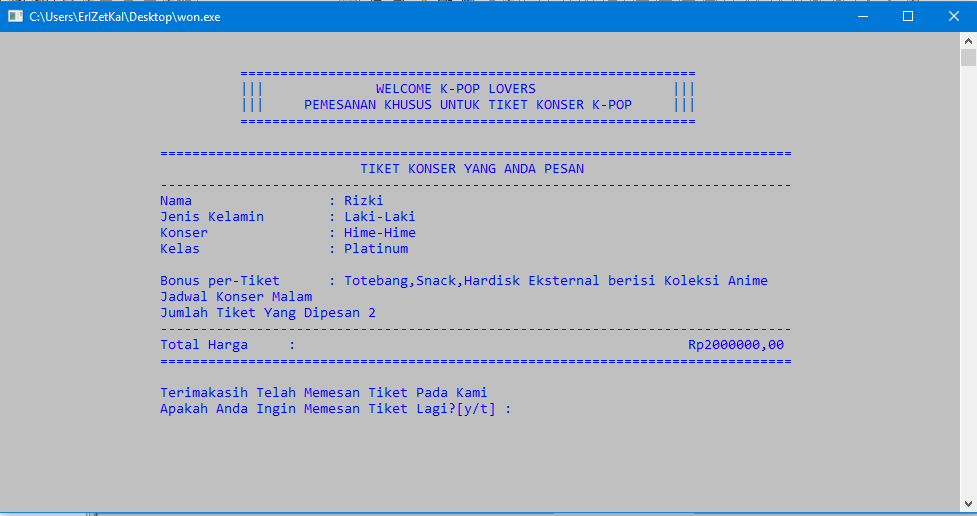
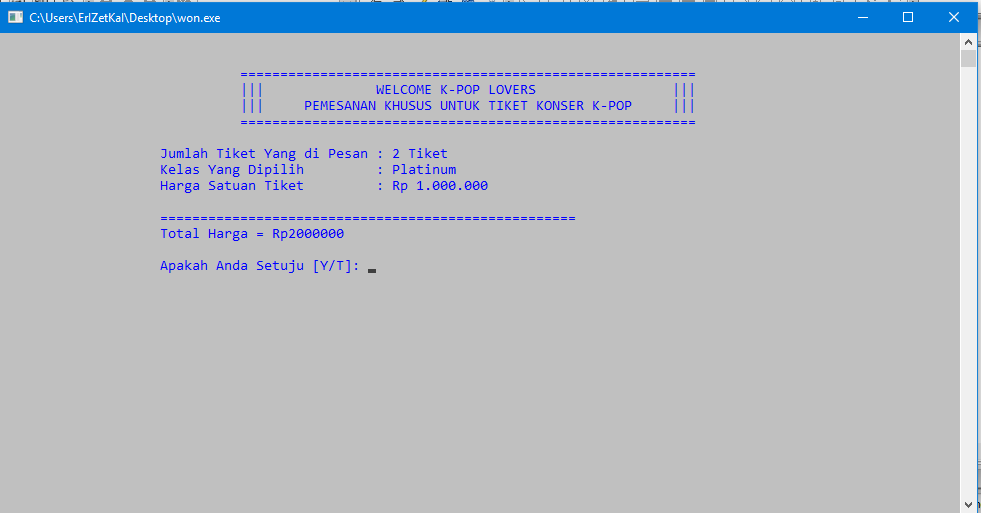
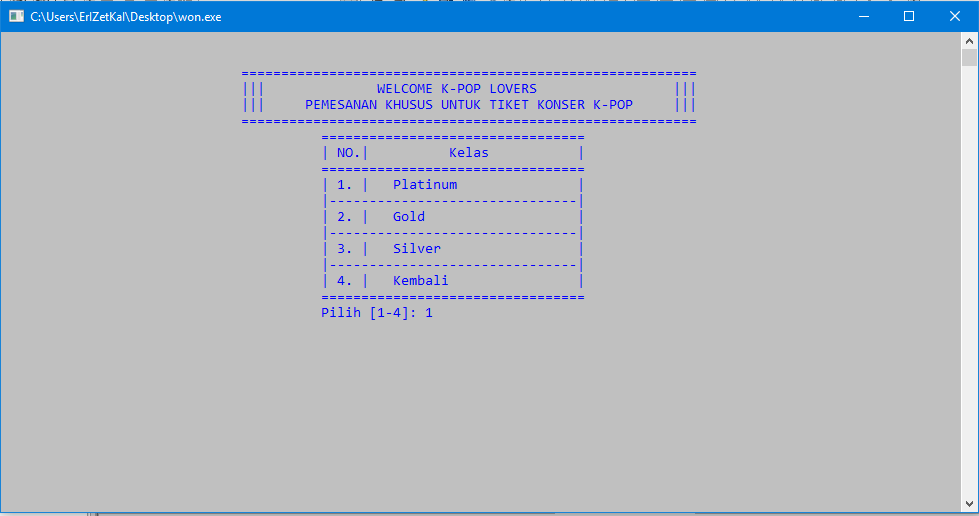
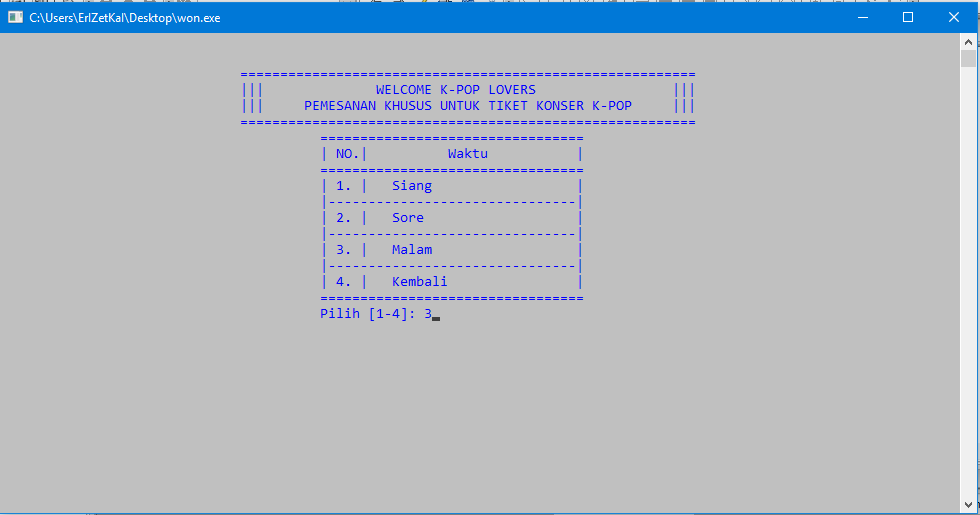
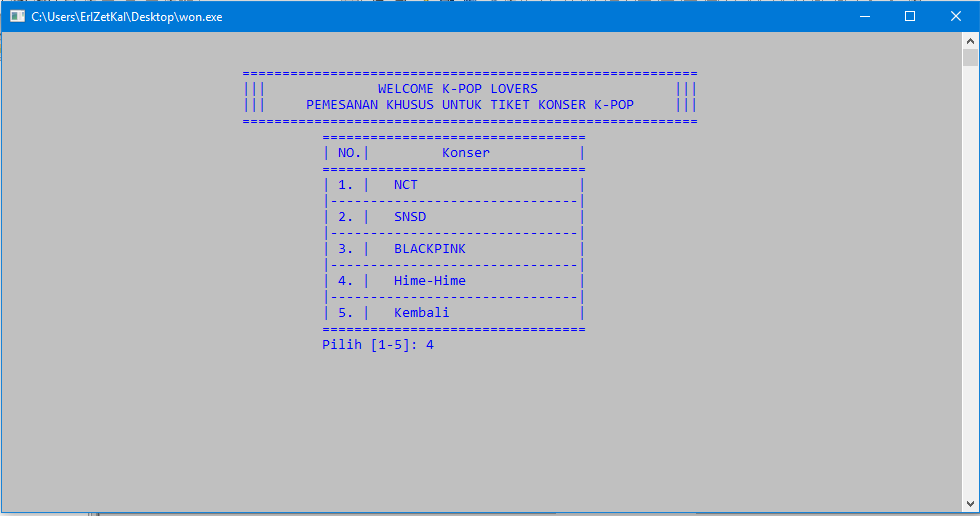
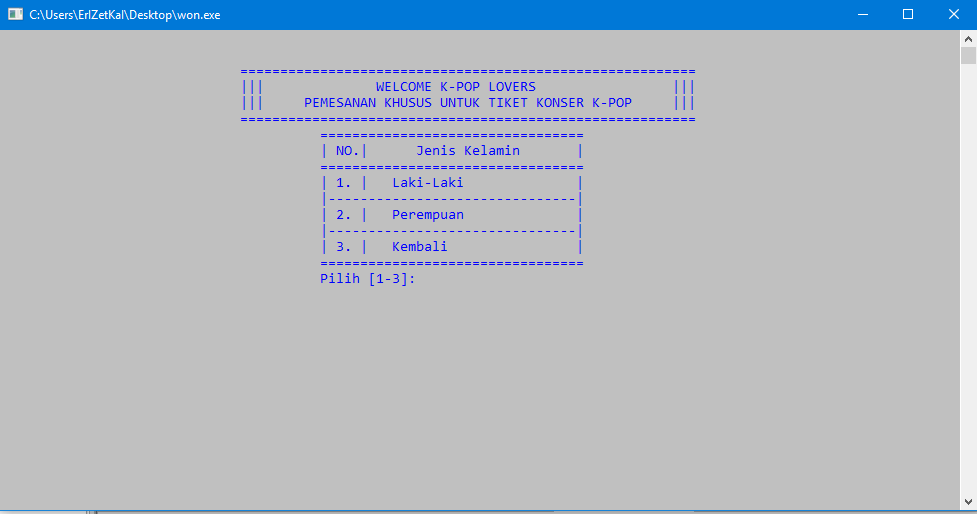
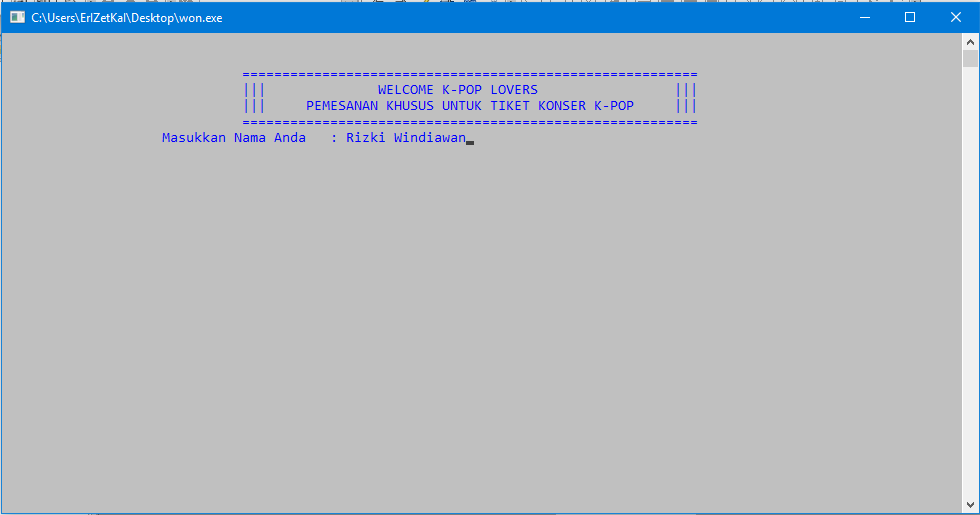
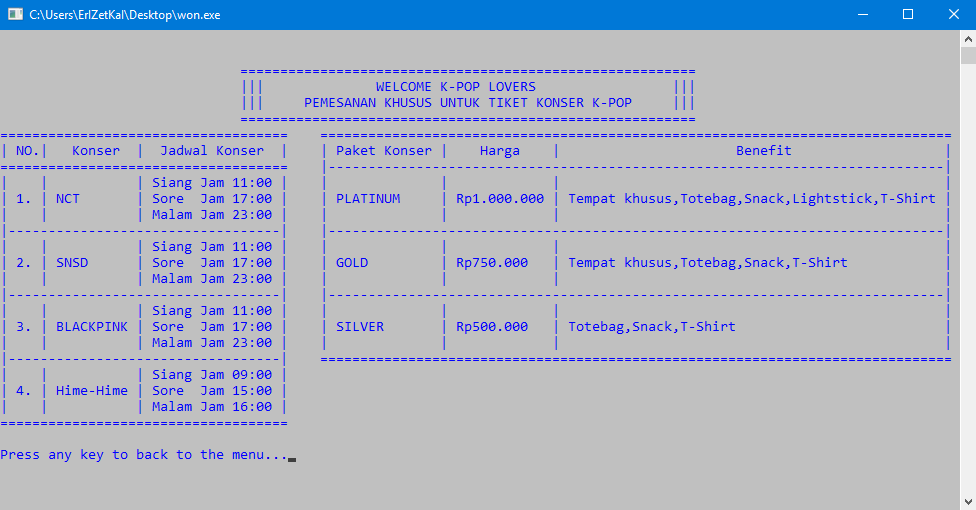
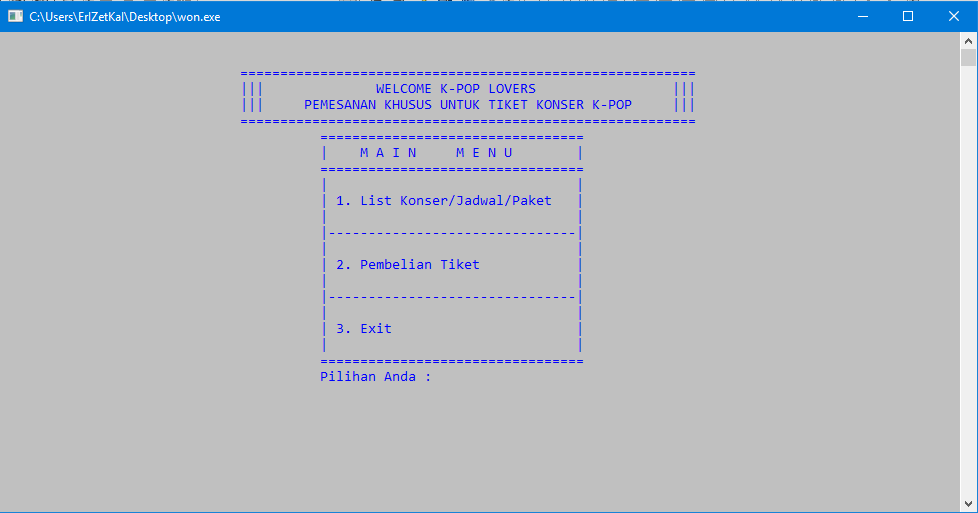
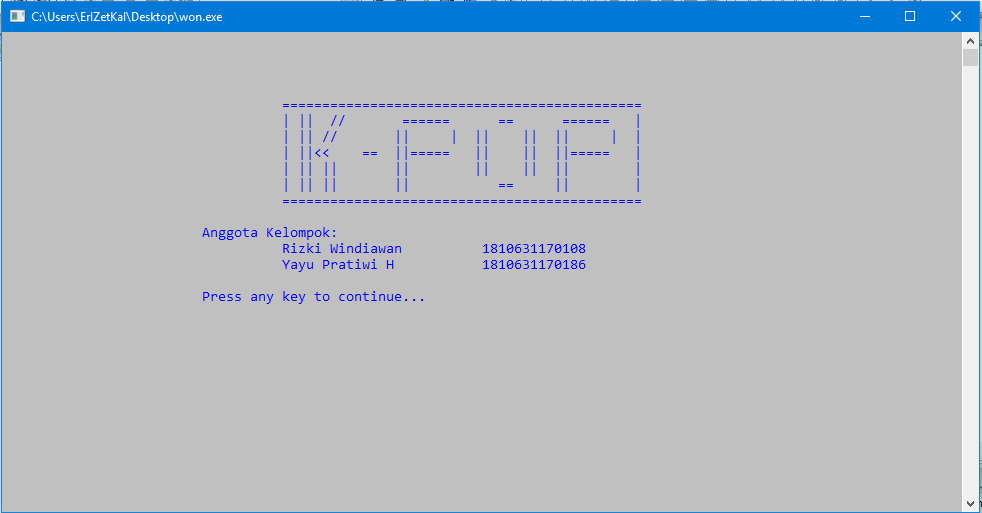
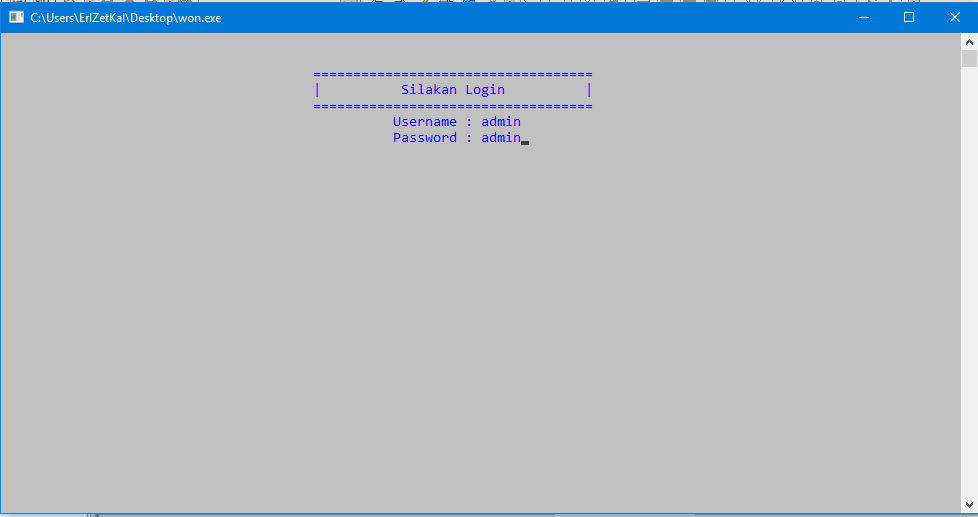
}

Sleep(1000);

exit (0);

}

**Screenshot Running Program**

****