Katalog: record

<no : integer

Judul : String

Harga : integer

Stok : integer

Struct Katalog \*next

>

katalog \*head

katalog \*tail

katalog \*baru

katalog \*bantu

Konsumen: record

<tanggal : string

Nama : string

Alamat : string

Telpon : string

Nomor : integer

Total : integer

Jml : integer

Bayar : integer

Kembali : integer

Jdl : string

Hrg : integer

Struct Konsumen \*next

>

konsumen \*head1;

konsumen \*tail1;

konsumen \*baru1;

konsumen \*bantu1;

void init

head= new katalog;;

head= NULL;

int isEmpty

if(head==NULL)

return 1;

else

return 0;

void init1

head1= new konsumen;;

head1= NULL;

int isEmpty1

if(head1==NULL)

return 1;

else

return 0;

int nomor=1;

Algoritma MenambahData

Kamus:

a : integer

Deskripsi:

Read a

for(int i=0;i<a;i++)

baru=new katalog

Read baru->no

Read baru->judul

Read baru->harga

Read baru->stok

Baru->next=baru

If isEmpty

head=tail=baru

head->next=head

tail->next=tail

else

tail->next=baru

tail=baru

tail->next=head

write “Data Masuk”

Algoritma MenampilkanDataKatalog

Kamus:

Deskripsi:

Write “DAFTAR KATALOG”

Write | Nomor Katalog | Judul | Harga | Stok|

If isEmpty==0

bantu=head;

write bantu->no|bantu->judul|bantu->harga|bantu->stok|

bantu=bantu->next;

while bantu!=head

write bantu->no |bantu->judul|bantu->harga|bantu->stok|

bantu=bantu->next;

else

Write “DATA KOSONG”

Algoritma MengupdateHarga

Kamus:

nomor : integer

hrg : integer

Deskripsi:

struct katalog \*cari = head

if !isEmpty

cari=head

Read nomor

If cari->no==nomor

Write cari->judul

Write cari->harga

Write cari->stok

Read hrg

cari->harga = hrg;

Write “harga diubah”

Write cari->judul

Write cari->harga

Write cari->stok

cari=cari->next

while cari != head

if cari->no==nomor

write cari->judul

write cari->harga

write cari->stok

Read hrg

cari->harga = hrg

Write “Harga Diubah”

Write cari->judul

Write cari->harga

Write cari->stok

cari= cari->next

Algoritma MengupdateStok

Kamus:

nomor : integer

stk : integer

total : integer

Deskripsi:

struct katalog \*cari = head;

if !isEmpty

cari=head

Read nomor

If cari->no==nomor

Write cari->judul

Write cari->harga

Write cari->stok

Read stk

total= cari->stok + stk

cari->stok = total

Write “Harga Diubah”

cari=cari->next;

while cari != head

if cari->no==nomor

Write cari->judul<<endl;

Write cari->harga

Write cari->stok

Read stk

total= cari->stok + stk

cari->stok = total

Write “Harga Diubah”

cari= cari->next;

Algoritma MemberikanNoftifikasi

Kamus:

Deskripsi:

If isEmpty == 0

bantu=head;

if bantu->stok<=10

Write “Stock Katalog “<<bantu->judul<<” Menipis”

Write “Jumlah stok: “<<bantu->stok

bantu=bantu->next;

while bantu!=head

if bantu->stok<=10

Write “Stock Katalog “<<bantu->judul<<” Menipis”

Write “Jumlah stok: “<<bantu->stok

bantu=bantu->next;

else

Write “DATA KOSONG”

Algoritma Update

Kamus:

x : integer

Deskripsi:

data\_katalog

notifikasi

Write “1. Update Harga Katalog”

Write “2. Update Stock Katalog”

Read x

If x==1

update\_harga

else if x==2

update\_stok

Algoritma CariData

Kamus:

nomor = integer

Deskripsi:

struct katalog \*cari = head

if !isEmpty

cari=head;

Read nomor

If cari->no==nomor

baru1->hrg= cari->harga

baru1->jdl= cari->judul

write baru1->jdl

Write baru1->hrg

Read baru1->jml

cari->stok = cari->stok - baru1->jml

baru1->total = baru1->jml\*cari->harga

Write baru1->total

Read baru1->bayar

If baru1->bayar>baru1->total

baru1->kembali= baru1->bayar - baru1->total

write baru1->kembali

else

baru1->kembali=0

write baru1->kembali

cari=cari->next;

while cari != head

if cari->no==nomor

baru1->hrg= cari->harga

baru1->jdl= cari->judul

write baru1->jdl

Write baru1->hrg

Read baru1->jml

cari->stok = cari->stok - baru1->jml

baru1->total = baru1->jml\*cari->harga

Write baru1->total

Read baru1->bayar

If baru1->bayar>baru1->total

baru1->kembali= baru1->bayar - baru1->total

Write baru1->kembali

else

baru1->kembali=0

Write baru1->kembali

cari= cari->next

Algoritma Pemesanan

Kamus:

pil : char

Deskripsi:

data\_katalog

baru1 =new konsumen

baru1->nomor = nomor

write baru1->nomor

nomor++

Read baru1->tanggal

Read baru1->nama

Read baru1->telpon

Read baru1->alamat

cari\_data

Write “STRUK PEMESANAN”

Write baru1->nomor

Write baru1->tanggal

Write baru1->nama

Write baru1->telpon

Write baru1->alamat

Write baru1->jdl

Write baru1->hrg

Write baru1->jml

Write baru1->total

Write baru1->bayar

Write baru1->kembali

baru1->next=baru1;

if isEmpty1

head1=tail1=baru1

head1->next=head1

tail1->next=tail1

else

tail1->next=baru1

tail1=baru1

tail1->next=head1

Write “Data Masuk”

Algoritma MencariDataPemesananBerdasarkanTanggal

Kamus:

cari : string

Deskripsi:

Read cari;

If !isEmpty

bantu1=head1;

if cari==bantu1->tanggal

write bantu1->nomor

write bantu1->tanggal

write bantu1->nama

write bantu1->telpon

write bantu1->alamat

write bantu1->jdl

write bantu1->hrg

write bantu1->jml

write bantu1->total

write bantu1->bayar

write bantu1->kembali

else

Write “Data Tidak Ditemukan”

bantu1=bantu1->next;

while bantu1!=head1

if cari==bantu1->tanggal

write bantu1->nomor

write bantu1->tanggal

write bantu1->nama

write bantu1->telpon

write bantu1->alamat

write bantu1->jdl

write bantu1->hrg

write bantu1->jml

write bantu1->total

write bantu1->bayar

write bantu1->kembali

else

Write “Data Tidak Ditemukan”

bantu1=bantu1->next;

else

write “Data Kosong”

Algoritma MencariDataPemesananBerdasarkanNomor

Kamus:

cari : integer

Deskripsi:

Read cari;

If !isEmpty

bantu1=head1;

if cari==bantu1->nomor

write bantu1->nomor

write bantu1->tanggal

write bantu1->nama

write bantu1->telpon

write bantu1->alamat

write bantu1->jdl

write bantu1->hrg

write bantu1->jml

write bantu1->total

write bantu1->bayar

write bantu1->kembali

else

Write “Data Tidak Ditemukan”

bantu1=bantu1->next;

while bantu1!=head1

if cari==bantu1->nomor

write bantu1->nomor

write bantu1->tanggal

write bantu1->nama

write bantu1->telpon

write bantu1->alamat

write bantu1->jdl

write bantu1->hrg

write bantu1->jml

write bantu1->total

write bantu1->bayar

write bantu1->kembali

else

Write “Data Tidak Ditemukan”

bantu1=bantu1->next;

else

write “Data Kosong”

Algoritma SemuaDataPemesanan

Kamus:

Deskripsi:

If !isEmpty

bantu1=head1

write bantu1->nomor

write bantu1->tanggal

write bantu1->nama

write bantu1->telepon

write bantu1->alamat

write bantu1->jdl

write bantu1->hrg

write bantu1->jml

write bantu1->total

write bantu1->bayar

write bantu1->kembali

bantu1=bantu1->next

while bantu1!=head1

write bantu1->nomor

write bantu1->tanggal

write bantu1->nama

write bantu1->telepon

write bantu1->alamat

write bantu1->jdl

write bantu1->hrg

write bantu1->jml

write bantu1->total

write bantu1->bayar

write bantu1->kembali

bantu1=bantu1->next

else

write “Data Kosong”

Algoritma DataPemesanan

Kamus:

tunjuk : integer

Deskripsi:

depan:

write “1. Riwayat Pemesanan Berdasarkan Nomor Pemesanan”

write “2. Riwayat Pemesanan Berdasarkan Tanggal Pemesanan”

write “3. Riwayat Pemesanan Keseluruhan”

Read tunjuk

If tunjuk==1

data\_pemesanan\_nomor()

else if tunjuk==2

data\_pemesanan\_tanggal()

else if tunjuk==3

data\_pemesanan\_semua()

Algoritma Jumlah1

Kamus:

total=0 : integer

Deskripsi:

struct konsumen \*ttl = head1

if head1!=NULL

do

ttl=ttl->next

total += ttl->jml

while (ttl!=head1);

write total

Algoritma Jumlah

Kamus:

total=0 : integer

Deskripsi:

struct konsumen \*jml = head1

if head1!=NULL

do

jml=jml->next

total += jml->total

while (jml!=head1);

write total

Algoritma Report

Kamus:

pil : integer

Deskripsi:

Write “1. Report Stok Katalog”

Write “2. Riwayat Pemesanan Katalog”

Read pil

If pil==1

Write “Report Stok Katalog”

data\_katalog

notifikasi

jumlah1

jumlah

else if pil==2

data\_pemesanan

Algoritma TampilanMenuUtama

Kamus:

pil : integer

Deskripsi:

awal:

write “PROGRAM PEMESANAN KATALOG”

write “1. Tambah Data”

write “2. Data Katalog”

write “3. Update Data Katalog”

write “4. Pemesanan Katalog”

write “5. Laporan Pemesanan Katalog”

write “6. Keluar”

Read pill

if(pil==1)

tambah\_data

if(pil==2)

data\_katalog

if(pil==3)

update

if(pil==4)

pemesanan

if(pil==5)

report

if(pil==6)

write “PROGRAM SELESAI”