

PSEUDOCODE

1. Mulai
2. Deklarasi
 - import java.io.BufferedReader;
 - import java.io.InputStreamReader;
 - import java.io.IOException;
 - import java.util.ArrayList;
 - static ArrayList<String> namaP, nmrP, alamatP, Motor= new ArrayList<>();
 - static ArrayList<Double> harga, cicilan, tenor, uangmuka= new ArrayList<>();
 - static BufferedReader input = new BufferedReader(new InputStreamReader(System.in));
3. static boolean isRunning = true;
4. showMenu()
Switch
 - 1) case 1: insert();
 - 2) case 2: laporan();
 - 3) case 3: editData();
 - 4) case 4: deleteData();
 - 5) case 5: isRunning = false; (Selesai)
5. insert()
 - boolean ulang = true
while (ulang)
 - Deklarasi Variabel
String nama, nomor, alamat, motor, choice
Int kode,tenorP
Double tunai, uangmuka, cicil, bunga
 - Proses Perhitungan
motor = Motor(kode)
tunai = harga(kode)
cicil = tenor(kode, tenorP, muka)
bunga=2.0*(tenorP/12.0)
 - Simpan Arraylist
namaP.add(nama);
alamatP.add(alamat);
nmrP.add(nmr);
Motor.add(motor);
uangmuka.add(muka);
harga.add(tunai);
tenor.add((double) tenorP);
cicilan.add(cicil);
6. Laporan()
 - Deklarasi Variabel
String p
Int totaldata, dataperhalaman, totalhalaman, i, halaman
Double bunga, totaltenor
Double totalharga =0,totaldp=0,totalcicil=0,totalbunga=0,totalTcicil=0,totalwaktu=0
Double subtotharga=0,subtotdp=0,subtotcicil=0,subtotbunga=0,subtotTcicil=0,subtotwaktu=0
 - Proses
If (namaP.isEmpty) =belum ada data.
totalData = namaP.size();
dataPerHalaman = 3;

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totalHalaman = (int) Math.ceil((double) totalData / dataPerHalaman);
for (int halaman = 0; halaman < totalHalaman; halaman++) {
for (int i = halaman * dataPerHalaman; i < Math.min((halaman + 1) * dataPerHalaman,
totalData); i++) {
bunga=2.0*(tenor.get(i)/12.0);
totaltenor=cicilan.get(i)*tenor.get(i);
Subtotharga += harga.get(i); Subtotdp += uangmuka.get(i); Subtotcicil += cicilan.get(i);
Subtotbunga += bunga; subtotTcicil += totaltenor; subtotwaktu += tenor.get(i);}
totalharga += subtotharga; totaldp += subtotdp; totalcicil += subtotcicil;
totalbunga += subtotbunga; totalTcicil += subtotTcicil; totalwaktu += subtotwaktu;}

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7. editData()

- boolean ulang=true
while (ulang)
- Menampilkan alldata()
- Deklarasi Variabel
String choice, motor=Motor(kode)
Int index, kode, tenorP
Double tunai=harga(kode) , uangmukabaru, cicil, bunga
- Proses Perhitungan
If (index >= 0 && index < namaP.size()) {
namaP.set, alamatP.set, nmrP.set (index, input.readLine());
Motor.set(index, Motor(kode)); harga.set(index, harga(kode));
uangmuka.set(index,mukabaru); tenor.set(index, (double) tenorP);
cicilan.set(index, cicil);
cicil = tenor(kode, tenorP, mukabaru);
bunga=2.0*(tenorP/12.0);}

8. DeleteData()

- Boolean ulang=true
While (ulang)
- Menampilkan alldata()
- Variabel
String choice, Int index
- Proses Hapus
If (index >= 0 && index < namaP.size()) {
namaP.remove(index); alamatP.remove(index);
nmrP.remove(index); Motor.remove(index);
harga.remove(index); cicilan.remove(index);
uangmuka.remove(index); tenor.remove(index);

9. allData()

- Proses
If (namaP.isEmpty) =belum ada data.
For (int i = 0; i < namaP.size(); i++)
- Menampilkan semua data.

10. Static double harga(int kode)

- Switch (kode)
case 1: return 19880000;
case 2: return 42610000;
case 3: return 20820000;
case 4: return 34410000;
case 5: return 23480000;
case 6: return 24360000;

case 7: return 28500000;

default: return 0;

11. static double tenor(int kode, int tenorP, double muka)

Double hargaMotor = harga(kode);

Double bunga = 0.02; //2%perTahun

Double sisaPembayaran = hargaMotor – muka;

Int durasiTenor = tenorP;

Double totalBunga = sisaPembayaran * bunga * (durasiTenor / 12.0);

Double totalPembayaran = sisaPembayaran + totalBunga;

Return totalPembayaran / durasiTenor;

12. static String Motor(int kode)

- Switch (kode)

Case 1: return “Honda Beat Street”;

Case 2: return “Honda CBR 150 ABS”;

Case 3: return “Honda Genio CBS Plus”;

Case 4: return “Honda PCX 160 CBS”;

Case 5: return “Honda Scoopy Sporty”;

Case 6: return “Honda Vario 125 CBS Plus”;

Case 7: return “Honda Vario 160 CBS Plus”;

Default: return “Tidak diketahui”;

13. public static void main(String[] args) throws IOException

- Menampilkan judul

- Proses

do { showMenu() } while(isRunning) ;