

pengertion

- Basal meta bolic tate (BMR)

 adalah kebutuhan energi minim
 al yang dibutuhkan tubuh untuk
 menjalan kan eroses tubuh yang

 Vital dalam kea daan istirahai to
- kalkulator BMR adalah program Untuk menghitung BMR seseoran 9 dan merumuskan total kebutuh an kalori hariannya

Typan

membuat program yang dapat mengkalkulasi BMR Sesporang se hingga akan didapati total kebut uhan kalori harian

rumus

- BWK = 66 + (13.4 BB) + (24B) (6.8
- Unt dk perempuan de wasa:

 BMR = 655 + (4.6, 88) + (1.8, 18) (4.3)

Eurous total

- 1. tidak aktif (Pigawai kansoran) = BMR*1.2
- 2. Cuk us a keif lolah raga 1-3 hari/mi
 - = BMR 1.315
- 3. aktif (Dlahraga 3-5 han/minggu)
 = BMR 1.55
- 4. sangat a white (blakta qa 6- + hari/

= BMR 1 1.725

5. PKtra aktif (latihan keras)

= BMR 419

ollgoritma

- 1. pro gram dimulai
- 2. Dut put pengenglan program
- 3. Input usia
- 4. Input tinggi bodan
- 5. Input borat badan
- 6. Proses kalkulasi BMR
- 7. Proces kalkulasi total kebutuhan kalori harian
- 8. Output hasildorispmua proses
- g. program selp sai

```
* include < ipstream >
 using nampspace std:
 Int main () &
    11 Inisialisasi variabel
      int tinggi badan;
      int beras badan:
      int usia:
      int gender:
      Int keaktifan;
    // hasil kalkulasi BMR
     float bmr;
     float hasil;
   11 Out put main monu
    (out << "[] == | Program kalkulasi BMR | == []/n"
    (ONF CC .. C ] = = = = = = = = = = = = = = = 5 ] \ D.,
     (out er bud);
   // input berat badan ( dalam kg)
      (out <c "[] = = [ mary wan be rat bodan :";
      cin 77 be rat bodan;
   11 input finggi badan l dalam cm)
      cout ex "C] == | masu kan ting gi badan (im):";
      cin 77 finagi _ badani
   lin put usia (dalam ta hun)
      cout < z"[] == 1 masuk an usia a anda (tahun):";
       cin >> usea:
   // in put gender (1: laki 2 2: berempuan)
      (Dutec "E) = = | instrukii | = = E) /n";
      (OUT <2 "[] = 1 1. (akt %: 1= []/n"; n
      (out <2 "[] = 1 2. perempuan 1 = [] /n";
      (out <2 "[] = = = = = = = = [] (n;
      cout < z " [] = | masu kangender and a sesuai homor: ";
       cin >> gander ;
```

```
11 menapcek gender
11 1 adalah untuk laki 22
 18 ( 9 p n d er = = 1) {.
    bmr = 66 + (13.7 * berat _ badan) + (5* tinggi badan) - (6.8 * Usia);
    lout <2 Bmr;
  (DU) << th "[]===== |Instrukfi|==== []/n";
  cout << "[] == 1 1. Hidau aktif ( PP 9 a wai kantoran 1 = [] [n";
  lout <2 "[] = 21 2. (u kup autif lolahraga 1-3 hari/minggu | ==[] |n";
  (out <2 "[] = = 13. autif lo loh raga 3-5 hari/minggu) [== [] [n";
  cout << "[] = = 14. sangat autif ( olah raga 6-7 hari/minggu 1 = = [] (n")
  (Out 2 = 1 = = 15. Ekstra autif (latihan kera) [== [] (n";
  (Out 22 end):
    (out << "[] = 1 masukan tingkat keaktifan anda sesuai nomor:" |;
    (10 77 Keaktifan;
    (out <2 bmr <2 end).
(000) 16 ( KO an tifan = = 1) {
  hasil = bmr * 1.2;
   3 1150 18 ( keautifan = = 2) {
       hasil = bmr + 1.375;
     PITP IF ( keautifan == 3) &
        hasil = bmr + 1.56;
   3 PISP 18 ( Keartifan = = 4 ) &
        hasi = bmr + 1.725;
    3 else if I keak tifan 5) &
                                 cour endi:
                                 lout <4 "E] = = | hali | total kebyty han kalori
         hasil = bmc = 1.9;
                                                 harian 1 = = [] /n";
                                 (out 2 "C7=="" << hasil < z " ka lori " 2 endl;
                                  cout endi:
    PISP 16 ( 9 ender = = 2) {
     bmr = 655 + 69.64 berat _ badan 1 + (1.84 finggi - badan ) - (4.7 + usia);
  samo
  O Cout pnd1:
     (out 22 "[] = = | hasil to tal kebutuhan kalori harian | = = E] "i
     (out cz "[] = = " < z h asrı zz" kalorı" zz endi:
      cour endi;
```