

```
* Langlinh 9: Predilusi unton Setrop ID vji
A. Predilusi unton ID31
 Velice file 31 : [ Pendidilen (D3) = 75, Dongalamon = 90, homenikas = 92.
                     Soutifilias: = 1
  Lumus Euclidean Distance (1031)
 = MPandidelian 1031 - Pandidelian (afit)2 + (Pangalaman 1031 - Pangalaman (afit)+
     ( Nomenilasi 1031 - Homerilar patis) + ( Sertit 1031 - Sertit patis)?
 Dahitungan Dara Fuclidon P31 dangan Sotiop data training (P1-P30):
1). P1: S1 (30) Dangalaman = 89, Lamunitar = 98, Sortitias = 40(1)
  Jack (P31, P1) = 1 (75-90)2 + (90-89)2 + (92-98) + (1-1)2
                     = V(-15)2 + 12 + (-6)2 + O2 = T225 + 1+36+0 = 1262 = 16,186
2) 12: [90, 58, 67,0]
  Jana (P31, P2) = 1(15-90) + (90-58)2+ f12-67)2- (1-072
                    = V (-15)2 +322 + 252 + 12 = V225 + 1014 + 625 +1 = V1875 = 43,301
 3) 3: [75,09,59]
   Jarole (P31, P3) = V(15-75)2+(90-39)2+(92-57)2+(1-1)2
                   = NO2 + (-a)2 + 382 + 02 = No +81+1919 +0 = VISZS = 30, 051
 A) Pa: [60,74,58.0]
  Jarole (P31, Pa) = 1 (75-60)2+(90-19)2+(92-58)2+(2-0)2
                   = 1/152 + 162 + 392 +12 = 1225 + 256 + 1156 +1 = 1/638 = 40,972
 8) 19 = [75,66,68,0]
  Jarou (D31, P5) = 1 (5-75)2 + (90-66)2 + (92-68)24 (1-072
= 1 02 + 242 + 12 = 10+676+676+1 = 1 (53 = 37,956
 6)P6 = [90,100,50,0]
  Jana (Px1, P6) = 1(15-90)2+ (30-1002)2+ (32-50)2+ (1-0)2
= 1(-16)4+ (40)2+ 422+12=1225+100+1169+1=122090 = 95,717
 7) 7 = [75,88,50,1
  ) atou ( P31, P7) = V(75-75)2 + (90-80)2 + (82-50)2 + (8-1)2
                   = 102 +22 +92 +02 = 10+7+1769 +0 = 100 = 92,090
8) 18 = [60,89,69,0]
       (P_{31},P_{8}) = \sqrt{(15-60)^{2} + (90-81)^{2} + (92-69)^{2} + (1-0)^{2}}
= \sqrt{(15^{2} + 62+23^{2} + 1)^{2}} = \sqrt{(125+36+529+1)^{2} + (1-0)^{2}}
9) Pa:= (60,98,57,1)
9) 1/9:= 160,98,51,11

) aral (1/31, 1/9) = 1 (75-60)2+ (90-98)2+ (92-57)2+ (1-1)2

= 1 (52 + (-8)2 +352 +02 = 1/205+61+(225 +0 = 1/15)9 = 38,90
Datale (P31, P10) = V (75-90)2 + (90-52)2 + (92-61)2 + (1-1)2

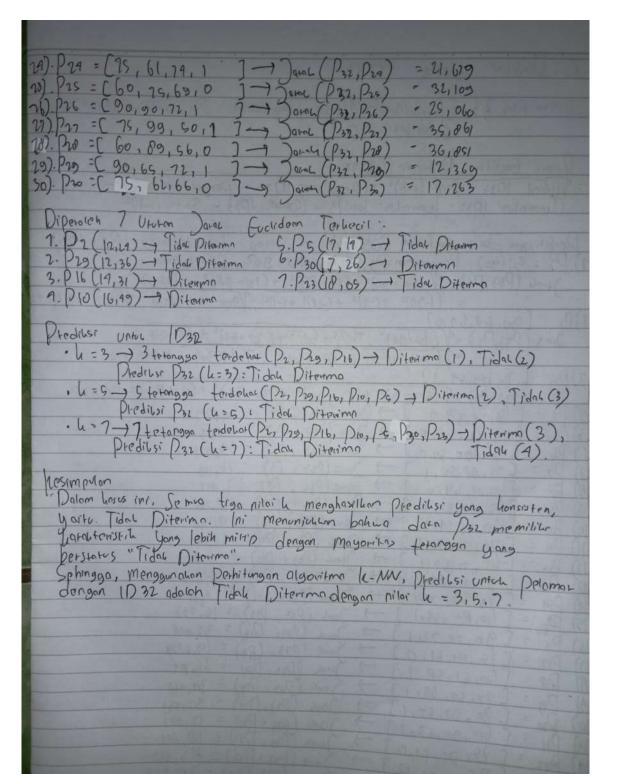
= V(-15)2 +382 +182 +0 = V 225 +1929 +0 = V2493 = 99,520
```

```
11). PII: [75, 39,70,0]
 Jarok (PSI, PII) = 1 (25-75)2 + (90-95)2 + (92-702 + (1-0)2
                   = 102+(5)2+ 222+12 = 10+25+981+1 = 7510 = 22,583
(2). Pu: (60,71,59,1)
 Jarol (P31, P12) = 1 (75-60)2 + (80-71)2 + (82-5972 + (1+)2
=7 (52 + 192 + 332 + 02 = 1/215 + 361 + 1089 = 71675 = 90,927
13). 73: [ 00, 100, 64,07
 Jana (Pal, D13)= 1(75-90)2+ (90-100)2+ (92-64)2+ (1-0)2
               = 1(-15)2 + (-10) + 202 + 12 = 1 725 + 100 + 787 + 1 = 1110 = 33,317
19 P14: [75,66,70,1]
 Jane (PSI, P11) = 1/15-75/ + (90-65)2 + (92-70)2 + (1-1)2
= 1/02 + 292 + 222 + 02 = 1/0 + 576 + 489 + 0 = 1/1660 = 32,550
 15) Prs = [60,00,59,1]
 Jank (P31, P15) = 1 (75-60)2+(30-80)2+(42-69)2+(1-1)2
=1 152+ 102+382 +0=1 226+(00+1449+0=1/769=42,060
16) P16 = [90,79,73,1]
 ) and [P21, P6] = 1(75-90)2 + (90-79)2 + (92-93)2 + (1-1)2
= 1(-15)2 + 162 + 192+02 = 1225+29+361+0 = 1892 = 29,017
17) P12 = [75, 99, 61,0]
 Jacob (P21, D17) = V(70-75)2 + (90-99)2 + (92-61)2 + (1-0)2
= V 02 + (-4)2 + 312 + 12 = V0+16+961+1 = V970 = 31,213
18) P18=( 20, 61, 58,1)
  Jan (P31, P10)= 1 (75-60) + (90-61) + (92-5872+ (1-1)2
= 1 152+ 292+392+02= 1225+041+1156+0 = 1222= 47, 130
 (9) 130 = [75, 94, 69,1]
  Jacah (P31, P19) = 1 (75-7572 + (90 - 59)2 + (92-69)2 + (1-1)2
2 1 02 + 362 + 232 +02 = 10 + 1296 +529 +0 = 1/825 = 42,720
20/30 = [90,97,67,1]
 Jonh (B1, P20) = 7(75-90)2+(90-97)2+(92-67)2+(1-172
=7(-15)2+(-7)2+252+02=7225+99+625+0=7899=29,983
21) Pu = [60,90,59,1]
 ) grad (P31, P21) = 7(75-6072 + (30-9072 + (922-59)2 + (1-172
                 = V(159 +0++22+02 = V25 +0+1009+0 = V13 19 = 36,299
22) /2 = [75,92,64,0]
 Jana (P31, P22) = V(75-75)2+(90-92)2+(92-61)2+(1-0)2

-VO2+(-2)2+(32+12=V6+9+961+1=V966=31,00)
23) Pra = [90,53,70,0]
Jano4 (P31, P3)=1(15)2+372+222+12=125+1369+989+1= 12076=15596
```

```
29/29: [75,61,74,17
        ) and (P31, P39) = V(75-75)2+(90-61)2+(92-70)2+(1-1)2
= V02+132+(02+02=V0+041+329+0=V1169=39,132
    25 hs: [90,75,69,0]
       Jaral (P3(, P25) = 1 (75-60)2 + (go-75)2 + (g2-6g)2+(1-0)2
= 1 (52+152+232+12=1/225+225+529+1=1/900=31.305
    26) [26 = [90,90,72,1]
       ) and (131, Pr6) = 7(75-90)2+(30-90)2+(92+72)2+(1-1)2
                       = V(45)2+02+202+02= V225+0+900+0= V625=25
    27) /27 = [75,99,50,1]
      Jaray (Poli, Pr) = 1(75-75)2 + (90-99)2 + (92-50)2 + (1-1)2
                        = Vor + (-972 + 922 + 02 = VO + 01 + 17 69 +0 = V1895 = 92,953
    28) 38 = (60,89,59,0
      Jaiole (P31, P28) = 7 (25-60)2 + (90-09)2 + (92-96)2 + (1-0)2
= 7 152 + 12 + 362 + 12 = 7225 + 1 + 1296 + 1 = 7 1523 = 39,026
    29) Rg = [90,69,72,1]
       Jana (P21, P29) = 7(75-90)2 + (90-65)2 + (92-72)2 + (1-1)2
=7(-15)2 + 252 + 202 + 02 = 7225 + 625 + 400 + 0 = 71250 = 35,355
    30) 130 = [75,62,6610]
      Janel (Pal, Pro) = 1 (75-75)2 + (90-62)2 + (92-66)2 + (1-0)2
= 102 + 782 + 162 + 12 = 10 + 789 + 626 + 1 = 1 (96) = 30,229
      Dipprotoh 7 Utotan Jarah Euclidean terhenil:
       1. D1 { 16,106) - Ditaring 5. [16(20,01) - Ditaring
     2. D11 (1250) - Tida Ditaina 6. P20 (29, 20) - + Tidal Ditaina
3. DU (25) - Ditaina 7. P22 (31,00) - Ditaina
      A P8 (20,12) - Tidal Ditaina
      Directives untol 1031:
23 . L=3 - 3 terangga terdehar (P1, P11, P26) - Ditorma (2), Tidak Ditorma (1)
                Predicts 1031 (4=2) = Diterimo
       · h = 5 - 9 Stetangga ferdehar (PI, PII, Pab, Po, P16) - 9 Ditorma (3), Tidak (2)
                Otediusi (Da) (6=5) = Ditation
       · h = 7 -> 7 terangga tardela (P1, P11, P26, P8, P16, P20, P22) -> Ditama (4), Tidak (3)
Drediksi (D2) (h=7) = Ditama
    Mesimoulan:
    Dolam hasus ini, Semuapilai h menghasillan predilsi yang hansisten, yaitu
Diterima Ini menuntuhan bahun daka 1021 memilihi hatahteristih yang lebih
96 Mility dergan Mayoritas tetanyga tadelatnya yang berstatus "Ditenima"
```

Meshipun ada beberapa totangga yang "Tidah Diterima". Sehingga, menggunakan algaritma (L-NN, Prediction untu Belama 1033 adalah Ditarima dongan (6=3,9,7) Dreditisi unter 1032 Vehiter Fitur 32 = [ Dendidrhan (SD = go, Dengalaman = 60, Lomunihari 760, Spitifiliagi = 9 Lumus Fuclidean Distances (1032 = 1 [Dend. 1032 - Dend. latin) + (Dengalamon 1032 - Dengalaman latih) + (Liomunikasi 1032 - Homenikasi latth) 2 + (Scrtit 1032 - Scrtit latth Derhitungan (hasil) ) arak fuclidean (D32 dengan Setting Data Ttarring (101-1020) 1) 12 = [SI(90), Dongalamon = Po, Jomonilagi = gp, Sertifilasi = Ya(1)) Jaron (P32, P1) =1 (30-9072 + (60-89)2 + (60-98)2 + (1-1)2 = 102+f-21)2+(-3872+02=10+991+1999+0=11805=93,917 2) 2= 190,50,67,07 Jarah (P32, P1)=1(90-90)2 + (60-5872+ (60-61)2+(1-D)2 =10+100+99+1=150=12,297 3) 3-[75,99,59,1 ) aral (P32, P3) = N (90-75)2 + (60-99)2 + (60-59)2 + (1-1)2 = 39,957 9) PA = [ Go. 24, 50,0] -> ) atale (P32, PA) = 30,676 1(G)Ps-[75, 66,60,0] -9 Jarah (P32, Ps) = 17,196 6) P6=[90, 100, 50, 0] -9 Janux (122, P6) = 33,591 17) P7 = (75, 80,50, 1] -9 Janux (P22, P7) - 26, 926 (B) P8 = [ Go, 89, 69, 0] -> Janah (P32, P8) = 35, 185 (9) Pg = [66, 98, 57, 1] - 9 Jarah (P32) Pg) = 42, 532 -10) Pro = [90, 52, 64, 1] - ) arah (P32) Pro) = [6, 492 -11) Pri = [75, 95, 70, 0] - 3 arah (P32) Pri) - 32, 981 12) Pa=[60, 71,59,1] -> Jana (P22, P12) = 30,166 13) Pa=[90,160,64,0] -> Jana (P22, P2) = 32,265 19) Pa=[75,66,70,1] -> Jana (P22, P14) > 10,130 > 10,130 15) P15 = [66,80,59,1] - Janh (P32, D15) = 32,863 (6) P16 = [90, 74,73,1] ] -> ) arch (P22, P16) = [9,310]
(7) D17 = [95,94,61,6] -> ) arch (P22, P17) = 36,050
(8) P10 = [60,61,60,1] -> ) arch (P22, P18) = 30,871 19) Pro - (90, 97, 67, 1 ] - ) arch (P22, P(0) = 22, 905 70) Pro - (90, 97, 67, 1] - ) arch (P22, P26) = 29,073 11 Par - [60,90,69, 1] - Jord (Par, Par) = 37, 216 51 2) Par - [75,92,61,0] - Jord (Par Par) = 20,337 2) P27 = [96,53,70,0] + Jaroh (P3, P23) = 10,055



```
C. Dediusi Untu 1033
  Veltor Fitter 33: [Dendidikan(SMA) = bo, Dengaraman = 85, kom uni kar = 70,
                      Sprticiliasi = 0
  Lunus Fuciidean Distance (1033)
= Mond. 1033 - Perd. (atih)2 + (pergalemen 1033 - Dengalemen latih) +
(Chomunihasi 1035 - Nomunihasi latih)2 + (Sertif. 1033 - Sortif latih)2
Derhitungan Darak fuclidean P33 dangen Spriap data training (P1-1) P1: S1(80), Pangalamon=89, homonitasi=80, Sertirikesi= (a(1)
    Jane (P53, P1) = 1 [60-90)2-(85-89)2 + (10-98)2 - (0-1)2
                    = 1(-30)2 + (-4)2 + (-28)2 + (-1)2 = 1/900 + 16 + 789+1 = 1/1701 = 91,293
2) 12: [00, 68,67,0]
   Jana ($93, $2) -1 (60-90)2 +(05-58)2+(00-67)2+ (0-0)2
                    = 1(-3012 +(71)2+(3)2+(0)2 = 1 1638 = 40, 472
13) Pn: L75, 99,59,1
   Darrie (P33, P3) = 1 (60-75)2 + (85-99)2 + (70-59)2 + (0-1)2 = 26,030
   P6 = [75,66,68,0] -> Jaras (P33, P6) - 21, 79
P6 = [90,100,50,0] -> Jaras (P33, P6) - 39,081
    D7 = [75, 88,50, [] -> Zarac (P32, P3) = 25,159
                              -> Darah (P+3, P8)
    128 = [60,09,69,6
    P3 = [60, 90, 51, 1] - ) and (P32, P3) = 18,36
                             ] - Javal (P33, Do) = 44,98
    Pro = [90, 52, 69, 1
    Pil = [75,95,70,0] > Jard (Pm, Pil) = 10,027
    PIL = [60, 71,53,1
                             3-1
                                      ) wal (Pzz , P12) = 17,77
     D13 = [ 90, 100, 61, D ]
                                      Jarah (P33, P13) = 34/673
                                      Jaroh (P32, P19) = 24,186
     PIA = [75,66, 70,1] -
    Pis = [ 60,80,59,1
                                       Jaiol (P33, D15) = 16,733
    P16 = [90,74,73,1
                                       Jarod (P33, P16) = 32,078
    P17 = [75,91,61,0]
R18 = [60,61,58,1]
                                       Jacal (193, DIT) = 19,6723
                                      Jacah (123, 128) = 26, 811
     P19 = [79, 54, 69, 1]
                                       Jarole (P23, P19) = 34,438
Jarole (P23, P20) = 32,434
    Pro = [ 90, 87, 67, 1]
Pri = [ 60, 90, 59, 1]
                                        ) grale (P33, P21) = 12,041
 19) Pn = [ 75, 92, 61,0] ]

12) P23 = [ 30,53,70,0] ]

21) Pn = [ 75, 61,74, ] ]
                                  -> Jarah (Pry , Drz) = 10,091
                                       Joseph (Paz 1 /23) - 43, 863
Joseph (Paz, 129) - 20,569
```

