NISAA HUSHIA YAHYA 2213020099 / 3-A

## SOAL 3

· Buat index setiap pixel berdasarkan collor pallete

· Collor Pallete

Warna O: Hitam (R68:0,0.0)

Warna 1: Merah (R68: 255.0,0)

Warna Z: Hijau (R68: 0, 255,0)

Warna 3: Biru (R68:0,0,255)

$$= \sqrt{45.369 + 6400 + 24.025}$$

$$= \sqrt{75.794} = 215.30$$

Warna terdetat : Merah

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· paxel ( 29. 60, 122)
 · HILAM = VIZA-012 + (60-0)2 + (122+0) = V576 + 3600 + 14 884
         = 119.060 = 138.05 11
 · Weigh: 1(54-522) = +(60-0) = +(122+0) = 123.361 + 3600 + 14684
· Hujau : VED-0) = 268.039
         = V53.485 = 231,26
· Biru
          [ 122-255) 2 2/576 +3600+ 17 689
         = VZ1.685 > 147,25
 Marua ferdekat = Hiram
· PIXEL (219, 9, 19)
. Hiram = (518-0), +(8-0), +(18-0), =(42 del +81 +301
         = 140 403 = 220,006
· Merah = ((219-251)2 + 19-012 + (19-0)2 = (1286 +81 +361
         = 1738 = 91,611
. Hilan = 1 (510-013 + (0-522)3+160-0) = 141 dol + 90 218 +381
         = $108.838 = 329,966
· Biru · V(219-012 + (9-0)2 + (19-255)2 = V97961 +81 +55 696
          = 103.778 = 322,083
 Malus fergeraf = Welst
· PIXEL (211, 200. 15)
· Hitam : \((211-0)^2 + (200-0)2 + (155-0)2 = \( 94.521 + 90.000 + 24.025
         : $108 546 = 329 , 46
· Merah = [(211 - 255) 2 + (200-0) 2 + (155-0) 2 = [1936 + 40.000 + 29.025
         = 165961 = 256 .82 //
· Hilan = 1(511-01, + (500-522), + (122-0), = 140251 + 3052 + 50022
         = \71 S71 = 267,527
         , \((511-0)\) + (200-0)\sigma +(122-522) = 44251 +40.000 + 10.000
· Bira
         = 194 521 = 307, 99
         terdekat = Merala
Warns
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- 1 pzi. 221, [15] laxiq.
- = 1/21 120 = 560.136 . HILD = 5(123-0) + (122-0) = 153400 + 54 032 + 53 119
- = NEG 142 = 521 / 1/21 012 + (121 012 = 10 dod + 50 052 + 5) 11P
- . Hilad = 1(123-0) + (122-522) + (12d-0) = 153400 + 10.000 + 53119
- BILO = [623-015 + (122 -0) + (124 522) = 153 404 + 54052 + 10 501

Warna Terdekat = Hijay

- 1001 (8.8) lexid.
- · Hitam = \(0 -012 + (0-0)2 + (100-0)2 = \( 69 + 69 + 10.000 \)
- · Merah = \( \text{(8 355)} \times + \text{(8 0} \tag{7000-0} = \( \frac{1}{2} \) = \( \frac{1}{2} \)
  - · Hilan = 10-01, + 10-52213(100-0), = 100 + 10000 + 10.000
  - BILO = 183 = 182 ' d1 - BILO = 18-015 4 (00-522) = 64 464 + 54 052

Warna Terdetat : Hitam

- · bix61 (512, 525, 15)
- . Hitam = [(213-0)2 + (122-0)2 + (12-0)2 = (45 369 + 49 289 + 194
- Meral = 1613-252) + (525-0) + (15-0) 112 pd + dd 28d + 10d
- = V96 602 = 215.87 11
- = VIE3 105 = 385 . Odus - VIE3 105 = 385 . Odus - VIE3 105 = 385 . Odus

Warna Terdekat = Hyau



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- bixel (12, 52, 121)
. HITSM , VIR. 0) 5 + (52.0) 5 + (12.0) = 1552 + 652 + 50 052
         = 124875 = 157, 71
         = Ns-252) 2+ Qs-0)2 +155.0)2 : V57600 +625 + 29025
· Mash
          = VBZ 250 = 286,79
· HIDOM = 1/(12-015 + 152.52) + 1/(12.0) = 1/552 + 2500 + 50052
         = 177 150 = 277, 75
        = (02-013 + (52-0)3 + (122-522) = 1522 + 652 + 10.000
- BIRU
           - NO 800 = 104,169 //
Warna Terdekat : Biru
PIXEL (M3, 100, 123)
· HItam : [143.01 2 + (100-012+(123.01) = 12049 + 10.000 + 15129
         = Vas 578 = 213, 490
· Merah = (193 - 255)2 +(100.0)2 +(123-0)2 - 12544 + 10.000 + 15.129
         = V37.673 = 194,095//
 · Hyau = (143-0)2 +400-251)2 +4123-0] = 120449 + 24 025 + 15 129
         = 159.603 = 244,137
 · BILM = [(183-0), +(100.0), +(153-522), 150 448 + 10.000 + 12 458
         = 197 878 = 210,81
 Warna Terdekat Merah
                      255.0.0
 213,30,155
            Merah
                       0.0.0
 24, 60 122 Hitam
                       255 .0,0
 ZR , 9,19
            Merah
                       266.000
 211, 200, 155 Merah
                        0.255.0
 153, 55,154
            Hyau
                        0,0,0
 8, 8, 100
            HITAM
                        0,255.0
 213, 222,12 HIJOU
                        0,0,255
             Biru
 15,25,155
                       255,0,0
            Merah
```



193 , 100 , 123