**KUIS 2 Point Operation (Bag 2)**

**Soal untuk NPM Ganjil**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **0** | | | **1** | | | **2** | | | **3** | | | **4** | | |
| |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | |
| |  | | --- | | **0** | | **248** | **40** | **252** | **153** | **43** | **100** | **36** | **89** | **2** | **75** | **18** | **121** | **108** | **68** | **30** |
| |  | | --- | | **1** | | **126** | **50** | **146** | **86** | **212** | **251** | **18** | **227** | **1** | **39** | **159** | **141** | **16** | **10** | **238** |
| |  | | --- | | **2** | | **18** | **23** | **31** | **42** | **242** | **32** | **38** | **80** | **207** | **249** | **39** | **29** | **4** | **15** | **46** |
| |  | | --- | | **3** | | **205** | **139** | **49** | **231** | **75** | **60** | **155** | **215** | **44** | **62** | **122** | **106** | **101** | **51** | **225** |
| |  | | --- | | **4** | | **173** | **154** | **45** | **70** | **248** | **234** | **18** | **5** | **218** | **193** | **176** | **114** | **59** | **132** | **182** |
| |  | | --- | | **5** | | **10** | **250** | **211** | **104** | **137** | **38** | **214** | **166** | **249** | **228** | **30** | **208** | **107** | **132** | **177** |
| |  | | --- | | **6** | | **197** | **227** | **171** | **58** | **107** | **174** | **39** | **87** | **119** | **15** | **139** | **116** | **61** | **135** | **221** |
| |  | | --- | | **7** | | **117** | **26** | **165** | **191** | **53** | **255** | **189** | **43** | **1** | **247** | **179** | **27** | **25** | **151** | **218** |
| |  | | --- | | **8** | | **97** | **105** | **14** | **144** | **77** | **196** | **117** | **84** | **56** | **183** | **230** | **66** | **44** | **125** | **86** |

Lakukan operasi point operation berikut :

a. Operasi Grayscale   
b. Konversi menjadi 7 bit (dari citra grayscale)   
c. Inverse dari jawaban no b   
d. Negative Image dengan L=75 (dari citra grayscale)

**Soal untuk NPM Genap**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **0** | | | **1** | | | **2** | | | **3** | | | **4** | | | **5** | | |
| |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | | |  | | --- | | **R** | | |  | | --- | | **G** | | |  | | --- | | **B** | |
| |  | | --- | | **0** | | **239** | **159** | **161** | **80** | **244** | **132** | **123** | **219** | **27** | **65** | **74** | **53** | **250** | **37** | **61** | **43** | **170** | **118** |
| |  | | --- | | **1** | | **66** | **31** | **1** | **170** | **192** | **206** | **199** | **90** | **118** | **67** | **247** | **115** | **96** | **202** | **23** | **55** | **52** | **195** |
| |  | | --- | | **2** | | **104** | **131** | **217** | **239** | **47** | **210** | **93** | **82** | **127** | **221** | **48** | **25** | **196** | **226** | **12** | **226** | **53** | **195** |
| |  | | --- | | **3** | | **231** | **251** | **216** | **172** | **244** | **19** | **126** | **83** | **25** | **192** | **208** | **30** | **143** | **109** | **242** | **27** | **70** | **75** |
| |  | | --- | | **4** | | **34** | **157** | **57** | **192** | **115** | **26** | **169** | **76** | **78** | **191** | **2** | **184** | **137** | **69** | **26** | **146** | **1** | **239** |
| |  | | --- | | **5** | | **44** | **234** | **175** | **113** | **250** | **101** | **160** | **57** | **29** | **225** | **58** | **3** | **161** | **223** | **133** | **7** | **204** | **166** |
| |  | | --- | | **6** | | **110** | **60** | **251** | **138** | **228** | **169** | **160** | **171** | **68** | **213** | **201** | **125** | **133** | **205** | **1** | **172** | **101** | **84** |

Lakukan operasi point operation berikut :

a. Operasi Grayscale   
b. Konversi menjadi 6 bit (dari citra grayscale)   
c. Inverse dari jawaban no b   
d. Negative Image dengan L=65 (dari citra grayscale)

**\*\* Selamat Mengerjakan \*\***