11. Tegangan pada Titik 3h

Diketahui :

V_{3g} = (19525,8735-j55,5759) Volt

Jadi,

V_{3h} = V_{3g} – (I_{3h} x Z_{3h})

= {(19525,8735-j55,5759) – (3,2588-j0,4351)} Volt

= (19522,6147-j56,011) Volt

= 19522,6153∠-2,5667^o Volt

12. Tegangan pada Titik 3i

Diketahui :

V_{3h} = (19522,6147-j56,011) Volt

Jadi,

V_{3i} = V_{3h} – (I_{3i} x Z_{3i})

= {(19522,6147-j56,011) – (3,2875-j0,0418)} Volt

= (19519,3272-j56,0528) Volt

= 19519,4076∠-2,8716^o Volt

13. Tegangan pada Titik 3j

Diketahui :

V_{3i} = (19519,3272-j56,0528) Volt

Jadi,

V_{3j} = V_{3i} – (I_{3j} x Z_{3j})

= {(19519,3272-j56,0528) – (106,9404-j81,7601)} Volt

= (19412,3868-j137,8129) Volt

= 19412,8759∠-7,0991^o Volt

14. Tegangan pada Titik 3k

Diketahui :

V_{3j} = (19412,3868-j137,8129) Volt

Jadi,

V_{3k} = V_{3j} – (I_{3k} x Z_{3k})

={(19412,3868-j137,8129) – (11,6272-j1,4343)} Volt

= (19400,7596-j139,2472) Volt

= 19401,2593∠-7,1772^{o} Volt

15. Tegangan pada Titik 3l

Diketahui :

V_{3k} = (19400,7596-j139,2472) Volt

Jadi,

V_{3l} = V_{3k} – (I_{3l} x Z_{3l})

= {(19400,7596-j139,2472) –(4,8814-j0,4048)} Volt

= (19395,8782-j139,652) Volt

= 19396,3809∠-7,1999 Volt

16. Tegangan pada Titik 3m

Diketahui :

V_{3l} = (19395,8782-j139,652) Volt

Jadi,

V_{3m} = V_{3l} – (I_{3m} x Z_{3m})

= {(19395,8782-j139,652) – (12,4237-j1,4066)} Volt

= (19351,9022-j150,5837) Volt

= 19352,4880∠-7,7811^{o} Volt

17. Tegangan pada Titik 3n

Diketahui :

V_{3m} = (19351,9022-j150,5837) Volt

Jadi,

V_{3n} = V_{3m} – (I_{3n} x Z_{3n})

= {(19351,9022-j150,5837) – (31,5523-j9,5251)} Volt

= (19351,9022-j150,5837) Volt

= 19352,4880∠-7,7811^{o} Volt

18. Tegangan pada Titik 3o

Diketahui :

V_{3n} = (19351,9022-j150,5837) Volt

Jadi,

V_{3o} = V_{3n} – (I_{3o} x Z_{3o})

= {(19351,9022-j150,5837) – (40,5880-j11,8113)} Volt

= (19311,3152-j162,395)Volt

= 19311,998∠-8,4091^o Volt

19. Tegangan pada Titik 4

Diketahui :

V_3 = (19311,3152-j162,395) Volt

Jadi,

V_4 = V_3 – (I_4 x Z_4)

= {(19311,3152-j162,395) – (30,3039-j9,1483)} Volt

= (19281,0113-j171,5433) Volt

= 19281,7744∠-8,8896^o Volt

20. Tegangan pada Titik 5

Diketahui :

V_4 = (19281,0113-j171,5433) Volt

Jadi,

V_5 = V_4 – (I_5 x Z_5)

= {(19281,0113-j171,5433) – (12,4059-j1,6565)} Volt

= (19268,6054-j173,1998) Volt

= 19269,3838∠-8,9884^o Volt

21. Tegangan pada Titik 6

Diketahui :

V_5 = (19268,6054-j173,1998)) Volt

Jadi,

V_6 = V_5 – (I_6 x Z_6)

= {(19268,6054-j173,1998) – (12,2692-j1,1411)} Volt

= (19256,3362-j174,3409) Volt

= 19257,1254∠-9,0534^o Volt

22. Tegangan pada Titik 7

Diketahui :

V_6 = (19256,3362-j174,3409) Volt

Jadi,

V_7 = V_6 – (I_7 x Z_7)

= {(19256,3362-j174,3409) – (41,3022-j4,2584)} Volt

= (19215,034-j178,5993) Volt

= 19215,864∠-9,2945^o Volt

23. Tegangan pada Titik 8

Diketahui :

V_7 = (19215,034-j178,5993) Volt

Jadi,

V_8 = V_7 – (I_8 x Z_8)

= {(19215,034-j178,5993) – (34,1313-j9,9324)} Volt

= (19180,9027-j168,669)Volt

= 19181,6442∠-8,7933^o Volt

24. Tegangan pada Titik 8a

Diketahui :

V_8 = (19180,9027-j168,669) Volt

Jadi,

V_{8a} = V_8 – (I_{8a} x Z_{8a})

= {(19180,9027-j168,669) – (31,8707-j9,6213)} Volt

= (19149,032-j178,2903) Volt

= 19149,8619∠-9,3104^o Volt

25. Tegangan pada Titik 9

Diketahui :

V_8 = (19149,032-j178,2903) Volt

Jadi,

V_9 = V_8 – (I_9 x Z_9)

= {(19149,032-j178,2903) – (32,6901-j9,8686)} Volt

= (19116,3419-j188,1589) Volt

= 19117,2678∠-9,8425^o Volt

26. Tegangan pada Titik 10

Diketahui :

V_9 = (19116,3419-j188,1589) Volt

Jadi,

$V_{10} = V_9 – (I_{10} \times Z_{10})$

= {(19116,3419-j188,1589) – (5,8792-j0,4284)} Volt

= (19110,4627-j188,5873) Volt

= 19731,8709 ∠ -0,9144^o Volt

27. Tegangan pada Titik 11

Diketahui :

V_{10} = (19110,4627-j188,5873)Volt

Jadi,

$V_{11} = V_{10} – (I_{11} \times Z_{11})$

= {(19110,4627-j188,5873) – (6,9849-j0,3687)} Volt

= (19103,4778-j188,956) Volt

= 19721,702 ∠ -0,9289^o Volt

28. Tegangan pada Titik 12

Diketahui :

V_{11} = (19103,4778-j188,956) Volt

Jadi,

$V_{12} = V_{11} – (I_{12} \times Z_{12})$

= {(19103,4778-j188,956) – (6,1104-j0,3838)} Volt

= (19097,3674-j189,3398) Volt

= 19714,0270 ∠ -1,1450^o Volt

29. Tegangan pada Titik 13

Diketahui :

V_{12} = (19097,3674-j189,3398) Volt

Jadi,

$V_{13} = V_{12} – (I_{13} \times Z_{13})$

= {(19097,3674-j189,3398) – (5,9803-j0,3757)} Volt

= (19091,3871-j189,7155) Volt

= 19705,2138 ∠ -1,1576^{o} Volt

30. Tegangan pada Titik 14

Diketahui :

V_{13} = (19091,3871-j189,7155) Volt

Jadi,

$V_{14} = V_{13} – (I_{14} \times Z_{14})$

= {(19091,3871-j189,7155) – (4,1430-j0,4690)} Volt

= (19087,2441-j190,1845) Volt

= 19699,0347∠ -1,16646^{o} Volt

31. Tegangan pada Titik 15

Diketahui :

V_{14} = (19087,2441-j190,1845) Volt

Jadi,

$V_{15} = V_{14} – (I_{15} \times Z_{15})$

= {(19087,2441-j190,1845) – (19,0751-j1,9667)} Volt

= (19068,169-j192,1512) Volt

= 19678,2592 ∠ -1,1947^{o} Volt

32. Tegangan pada Titik 16

Diketahui :

V_{15} = (19068,169-j192,1512) Volt

Jadi,

$V_{16} = V_{15} – (I_{16} \times Z_{16})$

= {(19068,169-j192,1512) – (1,8662-j0,0237)} Volt

= (19066,3028-j192,1749)Volt

= 19676,4634 ∠ -1,1987^{o} Volt

33. Tegangan pada Titik 17

Diketahui :

V_{16} = (19066,3028-j192,1749) Volt

Jadi,

$V_{17} = V_{16} – (I_{17} \times Z_{17})$

$= \{(19066,3028-j192,1749) – (5,1555-j0,7409)\}$ Volt

$= (19061,1473-j192,9158)$ Volt

$= 19668,6297 \angle -1,2100^{o}$ Volt

34. Tegangan pada Titik 18

Diketahui :

$V_{17} = (19061,1473-j192,9158)$ Volt

Jadi,

$V_{18} = V_{17} – (I_{18} \times Z_{18})$

$= \{(19061,1473-j192,9158) – (4,9489-j0,7112)\}$ Volt

$= (19056,1984-j193,627)$ Volt

$= 19661,0197 \angle -1,2209^{o}$ Volt

35. Tegangan pada Titik 18a

Diketahui :

$V_{18} = (19056,1984-j193,627)$ Volt

Jadi,

$V_{18a} = V_{18} – (I_{18a} \times Z_{18a})$

$= \{(19056,1984-j193,627) – (0,2007+j0,2097)\}$ Volt

$= (19055,9977-j193,4173)$ Volt

$= 19660,5775 \angle -1,2215^{o}$ Volt

36. Tegangan pada Titik 19

Diketahui :

$V_{18} = (19656,556 - j418,9309)$ Volt

Jadi,

$V_{19} = V_{18} – (I_{19} \times Z_{19})$

$= \{(19656,556 - j418,9309) – (1,0354+j0,4723)\}$ Volt

$= (19655,5206 - j419,4032)$ Volt

$= 19659,9946 \angle -1,2223^{o}$ Volt

37. Tegangan pada Titik 20

Diketahui :

V_{20} = (19655,5206 - j419,4032) Volt

Jadi,

$V_{20} = V_{19} – (I_{20} \times Z_{20})$

= {(19655,5206 - j419,4032) – (4,9515+j2,3047)} Volt

= (19650,5691 - j421,7079) Volt

= 19655,0935 ∠ -1,2293º Volt

38. Tegangan pada Titik 21

Diketahui :

V_{20} = (19650,5691 - j421,7079) Volt

Jadi,

$V_{21} = V_{20} – (I_{21} \times Z_{21})$

= {(19650,5691 - j421,7079) – (30,2408+j3,1784)} Volt

= (19620,3283 - j418,5295) Volt

= 19624,7917 ∠ -1,2220º Volt

39. Tegangan pada Titik 21a

Diketahui :

V_{21} = (19620,3283 - j418,5295) Volt

Jadi,

$V_{21a} = V_{21} – (I_{21a} \times Z_{21a})$

= {(19620,3283 - j418,5295) – (22.1599+j2,3291)} Volt

= (19598,1684 - j420,8586) Volt

= 19602,6867 ∠ -1,2302º Volt

40. Tegangan pada Titik 21b

Diketahui :

V_{21a} = (19598,1684 - j420,8586) Volt

Jadi,

$V_{21b} = V_{21a} – (I_{21b} \times Z_{21b})$

= {(19598,1684 - j420,8586) – (25,7811+j2,7097)}Volt

= (19572,3873 - j422,9683) Volt

= 19576,9570 ∠ -1,2379º Volt

41. Tegangan pada Titik 21c

Diketahui :

V_{21b} = (19572,3873 - j422,9683) Volt

Jadi,

$V_{21c} = V_{21b} – (I_{21c} \times Z_{21c})$

= {(19572,3873 - j422,9683) – (243,4462+j25,5442)}Volt

= (19328,9411 - j448,5125) Volt

= 19334,1409 ∠ -1,3292º Volt

42. Tegangan pada Titik 21d

Diketahui :

V_{21c} = (19328,9411 - j448,5125) Volt

Jadi,

$V_{21d} = V_{21c} – (I_{21d} \times Z_{21d})$

= {(19328,9411 - j448,5125) – (5,1923+j0,5457)}Volt

= (19323,7488 – j449,0582) Volt

= 19328,9658 ∠ -1,3312º Volt

43. Tegangan pada Titik 22

Diketahui :

V_{21} = (19620,3283 - j418,5295) Volt

Jadi,

$V_{22} = V_{21} – (I_{22} \times Z_{22})$

= {(19620,3283 - j418,5295) – (6,6058+j0,6942)}Volt

= (19613,7225 –j 419,223) Volt

= 19618,2022 ∠ -1,2244º Volt

44. Tegangan pada Titik 23

Diketahui :

V_{22} = (19613,7225 –j 419,223) Volt

Jadi,

$V_{23} = V_{22} – (I_{23} \times Z_{23})$

= {(19613,7225 –j 419,223) – (48,8262+j5,0887)}Volt

= (19564,8963 - j424,3117) Volt

= 19569,4968 ∠ -1,2424º Volt

45. Tegangan pada Titik 24

Diketahui :

V_{23} = (19564,8963 - j424,3117) Volt

Jadi,

$V_{24} = V_{23} – (I_{24} \times Z_{24})$

= {(19564,8963 - j424,3117) – (19,7388+j2,0081)}Volt

= (19545,1575 - j426,3198) Volt

= 19549,8064 ∠ -1,2495^o Volt

46. Tegangan pada Titik 25

Diketahui :

V_{24} = (19545,1575 - j426,3198) Volt

Jadi,

$V_{25} = V_{24} – (I_{25} \times Z_{25})$

= {(19545,1575 - j426,3198) – (23,2154+j10,8452)}Volt

= (19521,9421 - j437,165) Volt

= 19526,8363 ∠ -1,2828^o Volt

47. Tegangan pada Titik 26

Diketahui :

V_{25} = (19521,9421 - j437,165) Volt

Jadi,

$V_{26} = V_{25} – (I_{26} \times Z_{26})$

= {(19521,9421 - j437,165) – (15,3402+j7,1663)}Volt

= (19506,6019 - j444,3313) Volt

= 19511,6618 ∠ -1,3048^o Volt

48. Tegangan pada Titik 27

Diketahui :

V_{26} = (19506,6019 - j444,3313) Volt

Jadi,

$V_{27} = V_{26} – (I_{27} \times Z_{27})$

= {(19506,6019 - j444,3313) – (15,6856+j7,3310)}Volt

= (19490,9163 – j451,6623) Volt

= 19496,1487 ∠ -1,3274^{o} Volt

49. Tegangan pada Titik 28

Diketahui :

V_{27} = (19490,9163 – j451,6623) Volt

Jadi,

$V_{28} = V_{27} – (I_{28} \times Z_{28})$

= {(19490,9163 – j451,6623) – (24,6564+j11,5131)}Volt

= (19466,2599 – j463,1754) Volt

= 19471,7694 ∠ -1,3630^{o} Volt

50. Tegangan pada Titik 29

Diketahui :

V_{28} = (19466,2599 – j463,1754) Volt

Jadi,

$V_{29} = V_{28} – (I_{29} \times Z_{29})$

= {(19466,2599 – j463,1754) – (6,9704+j3,2607)}Volt

= (19459,2895 - j466,4361) Volt

= 19464,8789 ∠ -1,3731^{o} Volt

51. Tegangan pada Titik 29a

Diketahui :

V_{29} = (19459,2895 - j466,4361) Volt

Jadi,

$V_{29a} = V_{29} – (I_{29a} \times Z_{29a})$

= {(19459,2895 - j466,4361) – (6,2267+j2,9207)}Volt

= (19453,0628 - j469,3568) Volt

= 19458,7242 ∠ -1,3821^{o} Volt

52. Tegangan pada Titik 30

Diketahui :

V_{29} = (19715,8202-j484,3484) Volt

Jadi,

$V_{30} = V_{29} – (I_{30} \times Z_{30})$

= {(19459,2895 - j466,4361) – (14,7350+j6,8835)}Volt

= (19444,5545 - j473,3196) Volt

= 19450,3144 ∠ -1,3944^{o} Volt

53. Tegangan pada Titik 31

Diketahui :

V_{30} = (19444,5545 - j473,3196) Volt

Jadi,

$V_{31} = V_{30} – (I_{31} \times Z_{31})$

= {(19444,5545 - j473,3196) – (24,9218+j11,6371)}Volt

= (19419,6327 - j484,9567) Volt

= 119425,6870 ∠ -1,4305^{o} Volt

54. Tegangan pada Titik 32

Diketahui :

V_{31} = (19419,6327 - j484,9567) Volt

Jadi,

$V_{32} = V_{31} – (I_{32} \times Z_{32})$

= {(19419,6327 - j484,9567) – (9,5288+j4,4514)}Volt

= (19410,1039 - j489,4081) Volt

= 19416,2729 ∠ -1,4443^{o} Volt

55. Tegangan pada Titik 32a

Diketahui :

V_{32} = (19410,1039 - j489,4081) Volt

Jadi,

$V_{32a} = V_{32} – (I_{32a} \times Z_{32a})$

={(19410,1039 - j489,4081) – (22,5318+j10,5259)}Volt

= (19387,5721 – j499,934) Volt

= 19394,0167 ∠ -1,4771^{o} Volt

56. Tegangan pada Titik 33

Diketahui :

V_{32} = (19387,5721 – j499,934) Volt

Jadi,

$V_{32} = V_{32} – (I_{33} \times Z_{33})$

= {(19387,5721 – j499,934) – (20,4281+j9,5475)}Volt

= (19454,2643 - j509,4815) Volt

= 19460,9344 ∠ -1,5001^{o} Volt

57. Tegangan pada Titik 34

Diketahui :

V_{33} = (19454,2643 - j509,4815) Volt

Jadi,

$V_{34} = V_{33} – (I_{34} \times Z_{34})$

= {(19454,2643 - j509,4815) – (50,5008+j23,5811)}Volt

= (19403,7635 – j533,0626) Volt

= 19411,0843 ∠ -1,5736^{o} Volt

58. Tegangan pada Titik 34a

Diketahui :

V_{34} = (19403,7635 – j533,0626) Volt

Jadi,

$V_{34a} = V_{34a} – (I_{34a} \times Z_{34a})$

= {(19403,7635 – j533,0626) – (11,1300+j5,1947)}Volt

= (19392,6335 – j538,2573) Volt

= 19400,1019 ∠ -1,5898^{o} Volt

59. Tegangan pada Titik 34b

Diketahui :

V_{34a} = (19392,6335 – j538,2573) Volt

Jadi,

$V_{34b} = V_{34a} – (I_{34b} \times Z_{34b})$

= {(19392,6335 – j538,2573) – (18,1944+j8,4880)}Volt

= (19374,4391 – j546,7453) Volt

= 19382,1521 ∠ -1,6164^{o} Volt

60. Tegangan pada Titik 34c

Diketahui :

V_{34b} = (19374,4391 – j546,7453) Volt

Jadi,

$V_{34c} = V_{34b} – (I_{34c} \times Z_{34c})$

$= \{(19374,4391 – j546,7453) – (13,8624+j6,4759)\}$Volt

$= (19360,5767 – j553,2212)$ Volt

$= 19368,4791 \angle -1,6367^o$ Volt

61. Tegangan pada Titik 34d

Diketahui :

$V_{34c} = (19360,5767 – j553,2212)$ Volt

Jadi,

$V_{34d} = V_{34c} – (I_{34d} \times Z_{34d})$

$= \{(19360,5767 – j553,2212) – (15,9685+j7,4564)\}$Volt

$= (19344,6082 – j560,6776)$Volt

$= 19352,7317 \angle -1,6601^o$ Volt

62. Tegangan pada Titik 34e

Diketahui :

$V_{34d} = (19344,6082 – j560,6776)$ Volt

Jadi,

$V_{34e} = V_{34d} – (I_{34e} \times Z_{34e})$

$= \{(19344,6082 – j560,6776) – (8,8017+j4,1211)\}$Volt

$= (19335,8065 – j564,7987)$ Volt

$= 19344,0536 \angle -1,6731^o$ Volt

63. Tegangan pada Titik 34f

Diketahui :

$V_{34e} = (19335,8065 – j564,7987)$ Volt

Jadi,

$V_{34f} = V_{34e} – (I_{34f} \times Z_{34f})$

$= \{(19335,8065 – j564,7987) – (9,7542+j4,5484)\}$Volt

$= (19326,0523 – j569,3471)$ Volt

$= 19334,4369 \angle -1,6874^o$ Volt

64. Tegangan pada Titik 34g

Diketahui :

$V_{34f} = (19326,0523 –j569,3471)$ Volt

Jadi,

$V_{34g} = V_{34f} - (I_{34g} \times Z_{34g})$

$= \{(19326{,}0523 - j569{,}3471) - (10{,}2049+j4{,}7608)\}$Volt

$= (19315{,}8474 - j574{,}0551)$ Volt

$= 19324{,}3758 \angle -1{,}7022^{o}$ Volt

65. Tegangan pada Titik 34h

Diketahui :

$V_{34g} = (19315{,}8474 - j574{,}0551)$ Volt

Jadi,

$V_{34h} = V_{34g} - (I_{34h} \times Z_{34h})$

$= \{(19315{,}8474 - j574{,}0551) - (13{,}2339+j6{,}1851)\}$Volt

$= (19302{,}6135 - j580{,}2402)$ Volt

$= 19311{,}3326 \angle -1{,}7218^{o}$ Volt

66. Tegangan pada Titik 34i

Diketahui :

$V_{34h} = (19302{,}6135 - j580{,}2402)$ Volt

Jadi,

$V_{34i} = V_{34h} - (I_{34i} \times Z_{34i})$

$= \{(19302{,}6135 - j580{,}2402) - (13{,}1948+j6{,}1640)\}$Volt

$= (19289{,}4187 - j586{,}4042)$ Volt

$= 19298{,}3300 \angle -1{,}7412^{o}$ Volt

67. Tegangan pada Titik 34j

Diketahui :

$V_{34i} = (19289{,}4187 - j586{,}4042)$ Volt

Jadi,

$V_{34j} = V_{34i} - (I_{34j} \times Z_{34j})$

$= \{(19289{,}4187 - j586{,}4042) - (12{,}4140+j5{,}8072)\}$Volt

$= (19277{,}0047 - j592{,}2114)$ Volt

$= 19286{,}0992 \angle -1{,}7596^{o}$ Volt

68. Tegangan pada Titik 34k

Diketahui :

V_{34j} = (19277,0047 – j592,2114) Volt

Jadi,

$V_{34k} = V_{34j} – (I_{34k} \times Z_{34k})$

= {(19277,0047 – j592,2114) – (17,7638+j8,2985)}Volt

= (19259,2409 – j600,5099) Volt

= 19268,6006 ∠ -1,7859^o Volt

69. Tegangan pada Titik 34l

Diketahui :

V_{34k} = (19259,2409 – j600,5099) Volt

Jadi,

$V_{34l} = V_{34k} – (I_{34l} \times Z_{34l})$

= {(19259,2409 – j600,5099) – (9,5201+j4,4413)}Volt

= (19249,7208 – j604,9512) Volt

= 19259,2242 ∠ -1,8000^o Volt

70. Tegangan pada Titik 34m

Diketahui :

V_{34l} = (19249,7208 – j604,9512) Volt

Jadi,

$V_{34m} = V_{34l} – (I_{34m} \times Z_{34m})$

= {(19249,7208 – j604,9512) – (13,3874+j6,2540)}Volt

= (19236,3334 - j611,2052) Volt

= 19246,0410 ∠ -1,8198^o Volt

71. Tegangan pada Titik 34n

Diketahui :

V_{34m} = (19236,3334 - j611,2052) Volt

Jadi,

$V_{34n} = V_{34m} – (I_{34n} \times Z_{34n})$

= {(19236,3334 - j611,2052) – (5,4217+j2,5351)}Volt

= (19230,9117 - j613,7403) Volt

= 19240,7027 ∠ -1,8279^o Volt

72. Tegangan pada Titik 34o

Diketahui :

V_{34n} = (19230,9117 - j613,7403) Volt

Jadi,

$V_{34o} = V_{34n} – (I_{34o} \times Z_{34o})$

= {(19230,9117 - j613,7403) – (5,6686+j2,6421)}Volt

= (19225,2431 – j616,3824) Volt

= 19235,1215 ∠ -1,8363^o Volt

73. Tegangan pada Titik 34p

Diketahui :

V_{34o} = (19225,2431 – j616,3824) Volt

Jadi,

$V_{34p} = V_{34o} – (I_{34p} \times Z_{34p})$

= {(19225,2431 – j616,3824) – (2,3848+j1,1267)}Volt

= (19222,8583 – j617,5091) Volt

= 19232,7740 ∠ -1,8399^o Volt

74. Tegangan pada Titik 34q

Diketahui :

V_{34p} = (19222,8583 – j617,5091) Volt

Jadi,

$V_{34q} = V_{34p} – (I_{34q} \times Z_{34q})$

= {(19222,8583 – j617,5091) – (3,0937+1,4498)}Volt

= (19219,7646 – j618,9589) Volt

= 19229,7285 ∠ -1,8445^o Volt

75. Tegangan pada Titik 34r

Diketahui :

V_{34q} = (19219,7646 – j618,9589) Volt

Jadi,

$V_{34r} = V_{34q} – (I_{34r} \times Z_{34r})$

= {(19219,7646 – j618,9589) – (5,4201+j2,5332)}Volt

= (19214,3445 – j616,4257) Volt

= 19224,2299 ∠ -1,8375^o Volt

76. Tegangan pada Titik 34s

Diketahui :

V_{34r} = (19214,3445 – j616,4257) Volt

Jadi,

$V_{34s} = V_{34r} – (I_{34s} \times Z_{34s})$

= {(19214,3445 – j616,4257) – (3,0794+j1,4431)}Volt

= (19211,2651 – j617,8688) Volt

= 19221,1984 ∠ -1,8421^o Volt

77. Tegangan pada Titik 34t

Diketahui :

V_{34s} = (19211,2651 – j617,8688) Volt

Jadi,

$V_{34t} = V_{34s} – (I_{34t} \times Z_{34t})$

= {(19211,2651 – j617,8688) – (3,7305+j1,7403)}Volt

= (19207,5346 – j619,6091) Volt

= 19217,5258 ∠ -1,8476^o Volt

78. Tegangan pada Titik 34u

Diketahui :

V_{34t} = (19207,5346 – j619,6091) Volt

Jadi,

$V_{34u} = V_{34t} – (I_{34u} \times Z_{34u})$

= {(19207,5346 – j619,6091) – (3,9837+j1,8508)}Volt

= (19203,5509 – j621,4599) Volt

= 19213,6040 ∠ -1,8535^o Volt

79. Tegangan pada Titik 35

Diketahui :

V_{34} = (19403,7635 – j533,0626) Volt

Jadi,

$V_{35} = V_{34} – (I_{35} \times Z_{35})$

= {(19403,7635 – j533,0626) – (13,3039+j6,2235)}Volt

= (19390,4596 – j539,2861) Volt

= 19397,95744 ∠ -1,5930^{o} Volt

80. Tegangan pada Titik 36

Diketahui :

V_{35} = (19390,4596 – j539,2861) Volt

Jadi,

$V_{36} = V_{35} – (I_{36} \times Z_{36})$

= {(19390,4596 – j539,2861) – (11,4110+j5,3356)}Volt

= (19379,0486 - j544,6217) Volt

= 19386,7000 ∠ -1,6097^{o} Volt

81. Tegangan pada Titik 36a

Diketahui :

V_{36} = (19379,0486 - j544,6217) Volt

Jadi,

$V_{36a} = V_{36} – (I_{36a} \times Z_{36a})$

= {(19379,0486 - j544,6217) – (11,8604+j5,5381)}Volt

= (19367,1882 - j550,1598) Volt

= 19375,0007 ∠ -1,6271^{o} Volt

82. Tegangan pada Titik 36b

Diketahui :

V_{36a} = (19367,1882 - j550,1598) Volt

Jadi,

$V_{36b} = V_{35} – (I_{36} \times Z_{36})$

= {(19367,1882 - j550,1598) – (2,3542+j2,9863)}Volt

= (19364,834 - j553,1461) Volt

= 19372,7325 ∠ -1,6361^{o} Volt

83. Tegangan pada Titik 36c

Diketahui :

V_{36b} = (19364,834 - j553,1461) Volt

Jadi,

$V_{36c} = V_{35} – (I_{36} \times Z_{36})$

= {(19364,834 - j553,1461) – (2,1645+j2,7576)}Volt

= (19362,6695 - j555,9037) Volt

= 19370,6478 ∠ -1,6445^{o} Volt

84. Tegangan pada Titik 36d

Diketahui :

V_{36c} = (19362,6695 - j555,9037) Volt

Jadi,

$V_{36d} = V_{36c} – (I_{36d} \times Z_{36d})$

= {(19362,6695 - j555,9037) – (2,3501+j2,9757)}Volt

= (19360,3194 - j558,8794) Volt

= 19368,3843 ∠ -1,6535^{o} Volt

85. Tegangan pada Titik 37

Diketahui :

V_{36} = (19379,0486 - j544,6217) Volt

Jadi,

$V_{37} = V_{36} – (I_{37} \times Z_{37})$

= {(19379,0486 - j544,6217) – (2,3533+j2,9916)}Volt

= (19376,6953 – j541,6301) Volt

= 19384,2638 ∠ -1,6011^{o} Volt

86. Tegangan pada Titik 38

Diketahui :

V_{37} = (19376,6953 – j541,6301) Volt

Jadi,

$V_{38} = V_{37} – (I_{38} \times Z_{38})$

= {(19376,6953 – j541,6301)) – (4,9101+j2,2927)}Volt

= (19371,7852 - j543,9228) Volt

= 19379,4198 ∠ -1,6083^{o} Volt

87. Tegangan pada Titik 39

Diketahui :

V_{38} = (19371,7852 - j543,9228) Volt

Jadi,

$V_{39} = V_{38} – (I_{39} \times Z_{39})$

= {(19371,7852 - j543,9228) – (11,7617+j5,5021)}Volt

= (19360,0235 – j549,4249) Volt

= 19367,8180 ∠ -1,6255^{o} Volt

88. Tegangan pada Titik 40

89. Diketahui :

V_{39} = (19360,0235 – j549,4249) Volt

Jadi,

$V_{40} = V_{39} – (I_{40} \times Z_{40})$

= {(19360,0235 – j549,4249) – (28,0793+j13,1055)}Volt

= (19331,9442 – j562,5304) Volt

= 19340,1268 ∠ -1,6667^{o} Volt

90. Tegangan pada Titik 40a

Diketahui :

V_{40} = (19331,9442 – j562,5304) Volt

Jadi,

$V_{40a} = V_{40} – (I_{40a} \times Z_{40a})$

= {(19331,9442 – j562,5304) – (4,1066+j1,9184)}Volt

= (19327,8376 – j564,4488) Volt

= 19336,0779 ∠ -1,6727^{o} Volt

91. Tegangan pada Titik 41

Diketahui :

V_{40} = (19331,9442 – j562,5304) Volt

Jadi,

$V_{41} = V_{40} – (I_{41} \times Z_{41})$

= {(19331,9442 – j562,5304) – (5,9336+j2,7846)}Volt

= (19326,0106 – j565,315) Volt

= 19334,2769 ∠ -1,6755^{o} Volt

92. Tegangan pada Titik 41a

Diketahui :

V_{41} = (19326,0106 – j565,315) Volt

Jadi,

$V_{41a} = V_{41} – (I_{41a} \times Z_{41a})$

= {(19326,0106 – j565,315) – (22,9750+j10,7378)}Volt

= (19303,0356 – j576,0528) Volt

= 19311,6291 ∠ -1,7093^o Volt

93. Tegangan pada Titik 42

Diketahui :

V_{41} = (19326,0106 – j565,315) Volt

Jadi,

$V_{42} = V_{41} – (I_{42} \times Z_{42})$

= {(19326,0106 – j565,315) – (51,6336+j24,1320)}Volt

= (19274,377 – j589,447) Volt

= 19283,3881 ∠ -1,7516^o Volt

94. Tegangan pada Titik 42a

Diketahui :

V_{42} = (19274,377 – j589,447) Volt

Jadi,

$V_{42a} = V_{42} – (I_{42a} \times Z_{42a})$

= {(19274,377 – j589,447) – (6,1942+j2,8976)}Volt

= (19268,1828 – j586,5794) Volt

= 19277,1093 ∠ -1,7437^o Volt

95. Tegangan pada Titik 42b

Diketahui :

V_{42a} = (19268,1828 – j586,5794) Volt

Jadi,

$V_{42b} = V_{42a} – (I_{42b} \times Z_{42b})$

= {(19268,1828 – j586,5794) – (6,5069+j3,0439)}Volt

= (19261,6759 – j589,6233) Volt

= 19270,6983 ∠ -1,7533^o Volt

96. Tegangan pada Titik 42c

Diketahui :

V_{42b} = (19261,6759 – j589,6233) Volt

Jadi,

$V_{42c} = V_{42} – (I_{42a} \times Z_{42a})$

$= \{(19261,6759 – j589,6233) – (3,8631+j1,7948)\}$Volt

$= (19257,8128 – j591,4181)$ Volt

$= 19266,8920 \angle -1,7590^{o}$ Volt