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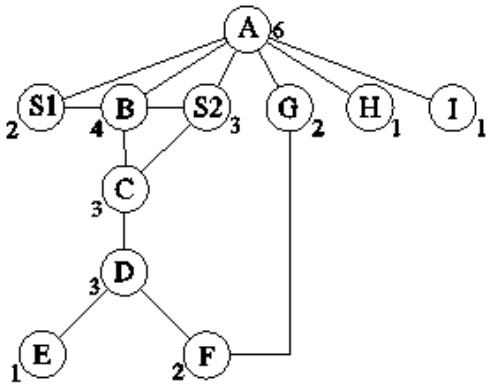
LAMPIRAN 1

PERHITUNGAN *INTEGRITY*

Nilai *integrity* sampel 1



A. Tahap 1 : *total depth* (TD)

- Ruang A : TD = 195

  Jarak B-A = 1 *step depth*

  Jarak B-A melewati S1 = 2 *step depth*

  Jarak B-A melewati S2 = 2 + 6 = 8 *step depth*

  Jarak B-A melewati C = 3 + 5 = 8 *step depth*

  Jarak C-A melewati S2 = 2 + 3 + 4 = 9 *step depth*

  Jarak C-A melewati B = 2 + 3 + 3 = 8 *step depth*

  Jarak C-A melewati S3 = 4 *step depth*

  Jarak D-A melewati F = 3 *step depth*

  Jarak D-A melewati C = 4 + 3 + 4 + 5 + 4 + 3 = 23 *step depth*

  Jarak E-A = 4 + 4 + 5 + 6 + 5 + 4 + 5 = 33 *step depth*

  Jarak F-A melewati G = 2 *step depth*

  Jarak F-A melewati S3 = 4 + 5 + 6 + 5 + 4 + 4 = 28 *step depth*

  Jarak G-A = 1 + 5 + 5 + 6 = 17 *step depth*

  Jarak H-A = 1 *step depth*

  Jarak I-A = 1 *step depth*

  Jarak S1-A = 1 + 2 + 3 + 4 + 7 + 6 = 23 *step depth*

  Jarak S2-A = 1 *step depth*

  Jarak S2-A melewati B = 2 + 3 + 6 = 11 *step depth*

  Jarak S2-A melewati C = 3+ 4 + 5 = 12 *step depth*

- Ruang B : TD = 250

  Jarak A-B = 1 *step depth*

  Jarak A-B melewati S1 = 2 *step depth*

  Jarak A-B melewati S2 = 2 + 3 = 5 *step depth*

  Jarak A-B melewati G = 5 + 6 = 11 *step depth*

  Jarak C-B = 1 *step depth*

  Jarak C-B melewati S2 = 2 + 4 + 3 = 9 *step depth*

  Jarak C-B melewati D = 6 + 5 + 6 = 17 *step depth*

  Jarak D-B melewati C = 2 + 3 + 5 + 4 = 14 *step depth*

  Jarak D-B melewati F = 5 + 4 + 5 + 6 = 20 *step depth*

  Jarak E-B = D-B = 41 *step depth*

  Jarak F-B melewati S3 = 3 + 4 + 6 + 5 + 4 + 3 + 4 + 5 = 34 *step depth*

  Jarak G-B melewati A = 3 + 2 + 3 + 4 = 12 *step depth*

  Jarak G-B melewati F = 4 + 5 = 9 *step depth*

  Jarak H-B melewati S2 = 2 + 3 + 3 + 4= 12 *step depth*

  Jarak I-B = H-B = 12 *step depth*

  Jarak S1-B = 1 *step depth*

  Jarak S1-B melewati A = 2 + 3 + 4 + 6 + 7 = 22 *step depth*

  Jarak S2-B = 1 *step depth*

  Jarak S2-B melewati A = 2 + 3+ 6 = 11 *step depth*

  Jarak S2-B melewati C = 2 + 6 + 7 = 15 *step depth*

- Ruang C : TD = 296

  Jarak A-C melewati S1 = 3 + 4 = 7 *step depth*

  Jarak A-C melewati B = 2 + 3 = 5 *step depth*

  Jarak A-C melewati S2 = 2 + 3 = 5 *step depth*

  Jarak A-C melewati G = 4 *step depth*

  Jarak B-C = 1 *step depth*

  Jarak B-C melewati A = 3 + 5 = 8 *step depth*

  Jarak B-C melewati S1 = 4 + 6 = 10 *step depth*

  Jarak B-C melewati S2 = 2 + 6 = 8 *step depth*

  Jarak D-C = 1 *step depth*

Jarak D-C melewati F = 6 + 7 + 5 + 6 + 5 + 6 = 35 *step depth*

Jarak E-C = D-C = 43 *step depth*

Jarak F-C = 2 + 5 + 6 + 4 + 5 + 4 + 5 = 31 *step depth*

Jarak G-C = 4 + 3 + 4 + 5 + 3 + 4 + 3 = 26 *step depth*

Jarak H-C = 4 + 5 + 3 + 4 + 3 + 4 + 5 = 28 *step depth*

Jarak I-C = H-C = 28 *step depth*

Jarak S1-C melewati A = 3 + 4 + 3 + 4 + 5 = 19 *step depth*

Jarak S1-C melewati B = 2 + 4 + 3 = 9 *step depth*

Jarak S2-C = 1 *step depth*

Jarak S2-C melewati A = 4 + 3 + 5 = 12 *step depth*

Jarak S2-C melewati B = 2 + 7 + 6 = 15 *step depth*

- Ruang D : TD = 317

  Jarak A-D melewati B = 3 + 4 = 7 *step depth*

  Jarak A-D melewati G = 3 *step depth*

  Jarak A-D melewati S1 = 4 + 5 = 9 *step depth*

  Jarak A-D melewati S2 = 4 + 3 = 7 *step depth*

  Jarak B-D melewati A = 4 + 4 = 8 *step depth*

  Jarak B-D melewati C = 2 + 6 = 8 *step depth*

  Jarak B-D melewati S1 = 5 + 5 = 10 *step depth*

  Jarak B-D melewati S2 = 3 + 5 = 8 *step depth*

  Jarak C-D = 1 *step depth*

  Jarak C-D melewati B = 5 + 6 + 6 = 17 *step depth*

  Jarak C-D melewati S2 = 5 + 6 + 7 = 18 *step depth*

  Jarak E-D = D-S3 = 1 *step depth*

  Jarak F-D = 1 + 6 + 7 + 5 + 6 + 6 + 5 = 36 *step depth*

  Jarak G-D melewati A = 5 + 6 + 4 + 5 + 5 + 4 = 29 *step depth*

  Jarak G-D melewati F = 2 *step depth*

  Jarak H-D melewati B = 5 + 6 + 4 + 5 + 5 + 4 + 4 = 33 *step depth*

  Jarak I-D = H-S3 = 33 *step depth*

  Jarak S1-D melewati A = 4 + 5 + 4 + 5 + 4 = 22 *step depth*

  Jarak S1-D melewati B = 3 + 5 + 5 + 4 + 6 = 23 *step depth*

Jarak S2-D melewati A = 5 + 4 + 4 = 13 *step depth*

Jarak S2-D melewati B = 3 + 5 + 6 = 14 *step depth*

Jarak S2-D melewati C = 2 + 6 + 7 = 15 *step depth*

- E : TD = 354

  Jarak A-E melewati B = 4 + 5 = 9 *step depth*

  Jarak A-E melewati S1 = 5 + 6 = 11 *step depth*

  Jarak A-E melewati S2 = 5 + 4 = 9 *step depth*

  Jarak A-E melewati G = 4 *step depth*

  Jarak B-E melewati A = 5 + 5 = 10 *step depth*

  Jarak B-E melewati C = 3 + 7 = 10 *step depth*

  Jarak B-E melewati S1 = 6 + 6 = 12 *step depth*

  Jarak B-E melewati S2 = 4 + 6 = 10 *step depth*

  Jarak C-E melewati B = 7 + 6 + 7 = 20 *step depth*

  Jarak C-E melewati S2 = 8 + 7 + 6 = 21 *step depth*

  Jarak C-E melewati S3 = 2 *step depth*

  Jarak D-E = 1 *step depth*

  Jarak F-E = 2 *step depth*

  Jarak G-E melewati A = 6 + 7 + 5 + 6 + 5 + 6 = *step depth*

  Jarak G-E melewati F = 3 *step depth*

  Jarak H-E melewati S1 = 6 + 7 + 5 + 6 + 5 + 6 + 5 = 40 *step depth*

  Jarak I-E = H-D = 40 *step depth*

  Jarak S1-E melewati A = 5 + 6 + 5 + 6 + 5 = 27 *step depth*

  Jarak S1-E melewati B = 4 + 5 + 7 + 6 + 6 + 8 = 36 *step depth*

  Jarak S2-E melewati A = 5 + 6 + 5 = 16 *step depth*

  Jarak S2-E melewati B = 7 + 4 + 6 = 17 *step depth*

  Jarak S2-E melewati C = 3 + 8 + 7 = 18 *step depth*

- Ruang F : TD = 383

  Jarak A-F melewati B = 4 + 5 = 9 *step depth*

  Jarak A-F melewati G = 2 *step depth*

  Jarak A-F melewati S1 = 5 + 6 = 11 *step depth*

  Jarak A-F melewati S2 = 5 + 4 = 9 *step depth*

Jarak B-F melewati A = 5 + 3 = 8 *step depth*

Jarak B-F melewati C = 3 + 5 = 8 *step depth*

Jarak B-F melewati S1 = 6 + 4 = 10 *step depth*

Jarak B-F melewati S2 = 4 + 4 = 8 *step depth*

Jarak C-F melewati B = 5 + 4 + 5= 14 *step depth*

Jarak C-F melewati S2 = 6 + 5 + 4 = 15 *step depth*

Jarak C-F melewati S3 = 2 *step depth*

Jarak D-F = 1 + 6 + 5 + 6 + 5 + 6 + 7 = 36 *step depth*

Jarak E-F = D-F = 43 *step depth*

Jarak G-F = 1 *step depth*

Jarak G-F melewati A = 6 + 7 + 5 + 6 + 5 + 6 = 35 *step depth*

Jarak H-F = 6 + 7 + 5 + 6 + 5 + 6 + 3 = 38 *step depth*

Jarak I-F = H-F = 38 *step depth*

Jarak S1-F melewati A = 5 + 6 + 5 + 6 + 3 = 25 *step depth*

Jarak S1-F melewati B = 4 + 5 + 5 + 6 + 4 + 6 = 30 *step depth*

Jarak S2-F melewati A = 3 + 6 + 5 = 14 *step depth*

Jarak S2-F melewati B = 5 + 4 + 4 = 13 *step depth*

Jarak S2-F melewati C = 3 + 6 + 5 = 14 *step depth*

- Ruang G : TD = 391

  Jarak A-G = 1 *step depth*

  Jarak A-G melewati B = 5 + 6 = 11 *step depth*

  Jarak A-G melewati S1 = 6 + 7 = 13 *step depth*

  Jarak A-G melewati S2 = 5 + 6 = 11 *step depth*

  Jarak B-G melewati A = 2 + 6 = 8 *step depth*

  Jarak B-G melewati C = 4 + 4 = 8 *step depth*

  Jarak B-G melewati S1 = 3 + 7 = 10 *step depth*

  Jarak B-G melewati S2 = 3 + 5 = 8 *step depth*

  Jarak C-G melewati B = 3 + 4 + 4 = 11 *step depth*

  Jarak C-G melewati S2 = 3 + 4 + 5 = 12 *step depth*

  Jarak C-G melewati S3 = 3 *step depth*

  Jarak D-G melewati C = 5 + 4 + 5 + 4 + 5 + 6 = 29 *step depth*

  Jarak D-G melewati F = 2 *step depth*

Jarak E-G = D-G = 38 *step depth*

Jarak F-G = 1 + 6 + 5 + 6 + 5 + 6 + 7 = 36 *step depth*

Jarak H-G = 2 + 7 + 8 + 6 + 7 + 6 + 7 = 43 *step depth*

Jarak I-G = H-G = 43 *step depth*

Jarak S1-G melewati A = 2 + 5 + 6 + 5 + 6 + 6 + 7 = 37 *step depth*

Jarak S1-G melewati B = 6 + 3 + 4 + 5 + 6 + 5 = 29 *step depth*

Jarak S2-G melewati A = 2 + 6 + 5 = 13 *step depth*

Jarak S2-G melewati B = 3 + 4 + 5 = 12 *step depth*

Jarak S2-G melewati C = 4 + 5 + 4 = 13 *step depth*

- Ruang H : TD = 270

  Jarak A-H = 1 *step depth*

  Jarak B-H = 2 + 3 + 3 + 4 + 6 + 7 = 25 *step depth*

  Jarak C-H melewati B = 3 + 4 + 4 = 11 *step depth*

  Jarak C-H melewati S2 = 3 + 4 + 5 = 12 *step depth*

  Jarak C-H melewati S3 = 5 *step depth*

  Jarak D-H melewati C = 5 + 4 + 5 + 6 + 5 + 4 = 29 *step depth*

  Jarak D-H melewati F = 4 *step depth*

  Jarak E-H = D-H = 40 *step depth*

  Jarak F-H melewati G = 3 *step depth*

  Jarak F-H melewati S3 = 6 + 5 + 6 + 7 + 6 + 5 = 35 *step depth*

  Jarak G-H melewati A = 2 *step depth*

  Jarak G-H melewati F = 7 + 6 + 7 + 8 + 7 + 6 = 41 *step depth*

  Jarak I-H melewati = 2 *step depth*

  Jarak S1-H melewati A = 2 *step depth*

  Jarak S1-H melewati B = 3 + 4 + 8 + 5 + 7 = 11 *step depth*

  Jarak S2-H melewati A = 2 *step depth*

  Jarak S2-H melewati B = 3 + 4 + 7 = 14 *step depth*

  Jarak S2-H melewati C = 4 + 5 + 6 = 15 *step depth*

- Ruang I = Ruang H : TD = 270
- Ruang S1 : TD = 412

Jarak A-S1 = 1 *step depth*

Jarak A-S1 melewati B = 2 *step depth*

Jarak A-S1 melewati S2 = 3 + 4 = 7 *step depth*

Jarak A-S1 melewati G = 6 + 7 = 13 *step depth*

Jarak B-S1 = 1 *step depth*

Jarak B-S1 melewati A = 2 *step depth*

Jarak B-S1 melewati S2 = 3 + 7 = 10 *step depth*

Jarak B-S1 melewati C = 4 + 6 = 10 *step depth*

Jarak C-S1 melewati B = 2 + 3 + 4 = 9 *step depth*

Jarak C-S1 melewati S2 = 3 + 3 + 4 + 4 = 14 *step depth*

Jarak C-S1 melewati S3 = 5 + 7 + 6 = 18 *step depth*

Jarak D-S1 melewati C = 3 + 4 + 4 + 4 + 5 + 5 = 25 *step depth*

Jarak D-S1 melewati F = 4 + 5 + 6 + 7 = 22 *step depth*

Jarak E-S1 = D-S1 = 63 *step depth*

Jarak F-S1 melewati G = 3 + 4 + 5 + 6 = 18 *step depth*

Jarak F-S1 melewati S3 = 4 + 5 + 6 + 5 + 5 + 6 + 6 = 37 *step depth*

Jarak G-S1 melewati A = 2 + 3 + 4 + 5 = 14 *step depth*

Jarak G-S1 melewati F = 5 + 6 + 7 + 6 + 7 + 6 + 7 = 44 *step depth*

Jarak H-S1 = 2 + 3 + 4 + 5 + 7 + 8 = 29 *step depth*

Jarak I-S1 = H-S1 = 29 *step depth*

Jarak S2-S1 melewati A = 2 + 3 + 7 = 11 *step depth*

Jarak S2-S1 melewati B = 2 + 3 + 7 = 11 *step depth*

Jarak S2-S1 melewati C = 3 + 4 + 6 + 7= 20 *step depth*

- Ruang S2 : TD = 359

  Jarak A-S2 = 1 *step depth*

  Jarak A-S2 melewati B = 2 + 3 = 5 *step depth*

  Jarak A-S2 melewati S1 = 3 + 4 = 7 *step depth*

  Jarak A-S2 melewati G = 5 + 6 = 11 *step depth*

  Jarak B-S2 = 1 *step depth*

  Jarak B-S2 melewati A = 2 + 6 = 8 *step depth*

  Jarak B-S2 melewati S1 = 3 + 7 = 10 *step depth*

Jarak B-S2 melewati C = 2 + 6 = 8 *step depth*

Jarak C-S2 = 1 *step depth*

Jarak C-S2 melewati B = 2 + 3 + 4 = 9 *step depth*

Jarak C-S2 melewati S3 = 5 + 6 + 7 = 18 *step depth*

Jarak D-S2 melewati C = 2 + 3 + 4 + 5 = 14 *step depth*

Jarak D-S2 melewati F = 4 + 5 + 6 + 6 + 7 = 28 *step depth*

Jarak E-S2 = D-S2 = 51 *step depth*

Jarak F-S2 melewati G = 3 + 4 + 5 + 5 + 6 = 23 *step depth*

Jarak F-S2 melewati S3 = 3 + 4 + 5 + 6 = 18 *step depth*

Jarak G-S2 melewati A = 2 + 3 + 4 + 4 + 5 = 18 *step depth*

Jarak G-S2 melewati F = 4 + 5 + 6 + 7 = 22 *step depth*

Jarak H-S2 = 2 + 3 + 4 + 4 + 5 + 6 + 7 = 31 *step depth*

Jarak I-S2 = H-S2 = 31 *step depth*

Jarak S1-S2 melewati A = 2 + 3 + 4 + 6 + 7 = 22 *step depth*

Jarak S1-S2 melewati B = 2 + 3 + 7 + 3 + 7= 22 *step depth*

B. Tahap 2 : *mean depth* (MD)

L = 11

Ruang A : MD = 17,73

MD = 195/(11-1) = 17,73

Ruang B : MD = 22,73

MD = 250/(11-1) = 22,73

Ruang C : MD = 26.91

MD = 296/(11-1) = 26.91

Ruang D : MD = 28,82

MD = 317/(11-1) = 28,82

Ruang E : MD = 32,18

MD = 354/(11-1) = 32,18

Ruang F : MD = 34,82

MD = 383/(11-1) = 34,82

Ruang G : MD = 35,55

MD = 391/(11-1) = 35,55

Ruang H : MD = 24,55

MD = 270/(11-1) = 24,55

Ruang I : MD = 24,55

MD = 270/(11-1) = 24,55

Ruang S1 : MD = 37,45

MD = 412/(11-1) = 37,45

Ruang S2 : MD = 32,64

MD = 359/(11-1) = 32,64

C. Tahap 3 : *relative asymmetry* (RA)

Ruang A : RA = 3,35

2 (MD-1) / (L-2)

2 (17,73-1) / (11-2) = 3,35

Ruang B : RA = 4,35

2 (22,73-1) / (11-2) = 4,35

Ruang C : RA = 5,18

2 (26.91-1) / (11-2) = 5,18

Ruang D : RA = 5,56

2 (28,82-1) / (11-2) = 5,56

Ruang E : RA = 6,24

2 (32,18-1) / (11-2) = 6,24

Ruang F : RA = 6,76

2 (34,82-1) / (11-2) = 6,76

Ruang G : RA = 6,91

2 (35,55-1) / (11-2) = 6,91

Ruang H : RA = 4,71

2 (24,55-1) / (11-2) = 4,71

Ruang I : RA = 4,71

2 (24,55-1) / (11-2) = 4,71

Ruang S1 : RA = 7,29

2 (37,45-1) / (11-2) = 7,29

Ruang S2 : RA = 6,33

2 (32,64-1) / (11-2) = 6,33

D. Tahap 4 : *real relative asymmetry* (RRA)

Tabel hitung G_L

L	√L	2L	L√(L) - 2L + 1	L-1	L-2	(L-1)(L-2)	GL
11	3.32	22	15,48	10	9	90	0.96

Ruang A : RRA = 3,50

RA / G_L = 3,35 / 0,96 = 3,50

Ruang B : RRA = 4,55

RA / G_L = 4,35 / 0,96 = 4,55

Ruang C : RRA = 5,42

RA / G_L = 5,18 / 0,96 = 5,42

Ruang D : RRA = 5,82

RA / G_L = 5,56 / 0,96 = 5,82

Ruang E : RRA = 6,53

RA / G_L = 6,24 / 0,96 = 6,53

Ruang F : RRA = 7,08

RA / G_L = 6,76 / 0,96 = 7,08

Ruang G : RRA = 7,23

RA / G_L = 6,91 / 0,96 = 7,23

Ruang H : RRA = 4,93

RA / G_L = 4,71 / 0,96 = 4,93

Ruang I : RRA = 4,93

RA / G_L = 4,71 / 0,96 = 4,93

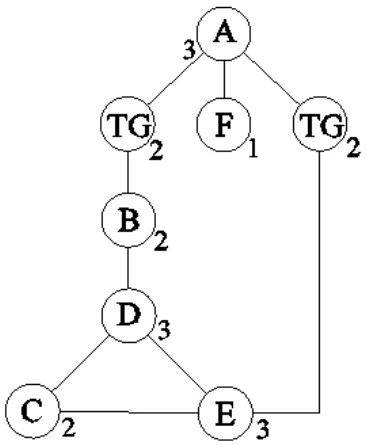
Ruang S1 : RRA = 7,63

RA / G_L = 7,29 / 0,96 = 7,63

Ruang S2 : RRA = 6,62

RA / G_L = 6,33 / 0,96 = 6,62

Nilai *integrity* sampel 2



A. Tahap 1 : *total depth* (TD)

- Ruang A : TD = 73

  Jarak B-A melewati TG1 = 2 *step depth*

  Jarak B-A melewati D = 5 + 4 = 9 *step depth*

  Jarak C-A melewati D = 4 + 4 = 8 *step depth*

  Jarak C-A melewati E = 3 + 5 = 8 *step depth*

  Jarak D-A melewati B = 3 *step depth*

  Jarak D-A melewati C = 4 *step depth*

  Jarak D-A melewati E = 3 *step depth*

  Jarak E-A melewati C = 5 *step depth*

  Jarak E-A melewati D = 4 *step depth*

  Jarak E-A melewati TG2 = 2 *step depth*

  Jarak F-A = 1 *step depth*

  Jarak TG1-A = 1 *step depth*

  Jarak TG1-A melewati B = 6 + 5 = 11 *step depth*

  Jarak TG2-A = 1 *step depth*

  Jarak TG2-A melewati E = 6 + 5 = 11 *step depth*

- Ruang B : TD = 84

  Jarak A-B melewati TG1 = 2 *step depth*

  Jarak A-B melewati TG2 = 5 + 4 = 9 *step depth*

  Jarak C-B melewati D = 2 + 6 = 8 *step depth*

Jarak C-B melewati E = 3 + 5 = 8 *step depth*

Jarak D-B = 1 *step depth*

Jarak D-B melewati C = 6 *step depth*

Jarak D-B melewati E = 5 *step depth*

Jarak E-B melewati C = 3 *step depth*

Jarak E-B melewati D = 2 *step depth*

Jarak E-B melewati TG2 = 4 *step depth*

Jarak F-B = 3 + 6 + 5 = 14 *step depth*

Jarak TG1-B = 1 *step depth*

Jarak TG1-B melewati A = 6 + 5 = 11 *step depth*

Jarak TG2-B melewati A = 3 *step depth*

Jarak TG2-B melewati E = 4 + 3 = 7 *step depth*

- Ruang C : TD = 102

  Jarak A-C melewati TG1 = 4 + 5 = 9 *step depth*

  Jarak A-C melewati TG2 = 3 + 4 = 7 *step depth*

  Jarak B-C melewati D = 2 + 3 = 5 *step depth*

  Jarak B-C melewati TG1 = 5 + 6 = 11 *step depth*

  Jarak D-C = 1 *step depth*

  Jarak D-C melewati B = 6 *step depth*

  Jarak D-C melewati E = 2 *step depth*

  Jarak E-C = 1 *step depth*

  Jarak E-C melewati D = 2 *step depth*

  Jarak E-C melewati TG2 = 6 *step depth*

  Jarak F-C = 5 + 6 + 4 + 5 = 20 *step depth*

  Jarak TG1-C melewati A = 4 + 5 = 9 *step depth*

  Jarak TG1-C melewati B = 3 + 4 = 7 *step depth*

  Jarak TG2-C melewati A = 5 + 6 = 11 *step depth*

  Jarak TG1-C melewati E = 2 + 3 = 5 *step depth*

- Ruang D : TD = 72

  Jarak A-D melewati TG1 = 3 *step depth*

Jarak A-D melewati TG2 = 3 + 4 = 7 *step depth*

Jarak B-D = 1 *step depth*

Jarak B-D melewati TG1 = 5 + 6 = 11 *step depth*

Jarak C-D = 1 *step depth*

Jarak C-D melewati E = 2 + 6 = 8 *step depth*

Jarak E-D = 1 *step depth*

Jarak E-D melewati C = 2 *step depth*

Jarak E-D melewati TG2 = 5 *step depth*

Jarak F-D = 4 + 4 + 5 = 13 *step depth*

Jarak TG1-D melewati A = 4 + 5 = 9 *step depth*

Jarak TG1-D melewati B = 2 *step depth*

Jarak TG2-D melewati A = 4 *step depth*

Jarak TG2-D melewati E = 2 + 3 = 5 *step depth*

- Ruang E : TD = 73

  Jarak A-E melewati TG1 = 4 + 5 = 9 *step depth*

  Jarak A-E melewati TG2 = 3 + 4 = 2 *step depth*

  Jarak B-E melewati D = 2 + 3 = 5 *step depth*

  Jarak B-D melewati TG1 = 4 *step depth*

  Jarak C-E = 1 *step depth*

  Jarak C-E melewati D = 2 + 6 = 8 *step depth*

  Jarak D-E = 1 *step depth*

  Jarak D-E melewati C = 2 *step depth*

  Jarak D-E melewati B = 5 *step depth*

  Jarak F-E = 5 + 6 + 3 = 13 *step depth*

  Jarak TG1-E melewati A = 3 *step depth*

  Jarak TG1-E melewati B = 3 + 4 = 7 *step depth*

  Jarak TG2-E = 1 *step depth*

  Jarak TG2-E melewati A = 5 + 6 = 11*step depth*

- Ruang F : TD = 92

  Jarak A-F = 1 *step depth*

Jarak B-F melewati TG1 = 3 *step depth*

Jarak B-F melewati D = 5 + 6 = 11 *step depth*

Jarak C-F melewati D = 5 + 5= 10 *step depth*

Jarak C-F melewati E = 4 + 6 = 10 *step depth*

Jarak D-F melewati B = 4 *step depth*

Jarak D-F melewati C = 5 *step depth*

Jarak D-F melewati E = 4 *step depth*

Jarak E-F melewati C = 6 *step depth*

Jarak E-F melewati D = 5 *step depth*

Jarak E-F melewati TG2 = 3 *step depth*

Jarak TG1-F melewati A = 2 *step depth*

Jarak TG1-F melewati B = 7 + 6 = 13 *step depth*

Jarak TG2-F melewati A = 2 *step depth*

Jarak TG2-F melewati E = 6 + 7 = 13 *step depth*

- Ruang TG1 : TD = 87

  Jarak A-TG1 = 1 *step depth*

  Jarak A-TG1 melewati TG2 = 6 + 5 = 11 *step depth*

  Jarak B-TG1 = 1 *step depth*

  Jarak B-TG1 melewati D = 6 + 5 = 11 *step depth*

  Jarak C-TG1 melewati D = 3 + 5 = 8 *step depth*

  Jarak C-TG1 melewati E = 4 + 4 = 8 *step depth*

  Jarak D-TG1 melewati B = 2 *step depth*

  Jarak D-TG1 melewati C = 5 *step depth*

  Jarak D-TG1 melewati E = 4 *step depth*

  Jarak E-TG1 melewati C = 4 *step depth*

  Jarak E-TG1 melewati D = 3 *step depth*

  Jarak E-TG1 melewati TG2 = 3 *step depth*

  Jarak F-TG1 = 2 + 7 + 6 = 15 *step depth*

  Jarak TG2-TG1 melewati A = 2 *step depth*

  Jarak TG2-TG1 melewati E = 5 + 4 = 9 *step depth*

- Ruang TG2 : TD = 85

  Jarak A-TG2 = 1 *step depth*

  Jarak A-TG2 melewati TG1 = 6 + 5 = 11 *step depth*

  Jarak B-TG2 melewati D = 4 + 3 = 7 *step depth*

  Jarak B-TG2 melewati TG1 = 3 *step depth*

  Jarak C-TG2 melewati D = 5 + 3 = 8 *step depth*

  Jarak C-TG2 melewati E = 6 + 2 = 8 *step depth*

  Jarak D-TG2 melewati B = 4 *step depth*

  Jarak D-TG2 melewati C = 3 *step depth*

  Jarak D-TG2 melewati E = 2 *step depth*

  Jarak E-TG2 = 1 *step depth*

  Jarak E-TG2 melewati C = 6 *step depth*

  Jarak E-TG2 melewati D = 5 *step depth*

  Jarak F-TG2 = 2 + 7 + 6 = 15 *step depth*

  Jarak TG1-TG2 melewati A = 2 *step depth*

  Jarak TG1-TG2 melewati B = 5 + 4 = 9 *step depth*

B. Tahap 2 : *mean depth* (MD)

L = 8

Ruang A : MD = 10,43

MD = 73/(8-1) = 10,43

Ruang B : MD = 12,00

MD = 84/(8-1) = 12,00

Ruang C : MD = 14,57

MD = 102/(8-1) = 14,57

Ruang D : MD = 10,29

MD = 72/(8-1) = 10,29

Ruang E : MD = 10,43

MD = 73/(8-1) = 10,43

Ruang F : MD = 13,14

MD = 92/(8-1) = 13,14

Ruang TG1 : MD = 12,43

MD = 87/(8-1) = 12,43

Ruang TG2 : MD = 12,14

MD = 85/(8-1) = 12,14

C. Tahap 3 : *relative asymmetry* (RA)

Ruang A : RA = 3,14

2 (MD-1) / (L-2)

2 (10,43-1) / (8-2) = 3,14

Ruang B : RA = 3,67

2 (12,00-1) / (8-2) = 3,67

Ruang C : RA = 4,52

2 (14,57-1) / (8-2) = 4,52

Ruang D : RA = 3,10

2 (10,29-1) / (8-2) = 3,10

Ruang E : RA = 3,14

2 (10,43-1) / (8-2) = 3,14

Ruang F : RA = 4,05

2 (13,14-1) / (8-2) = 4,05

Ruang TG1 : RA = 3,81

2 (12,43-1) / (8-2) = 3,81

Ruang TG2 : RA = 3,71

2 (12,14-1) / (8-2) = 3,71

D. Tahap 4 : *real relative asymmetry* (RRA)

Tabel hitung G_L

L	√L	2L	L√(L) - 2L + 1	L-1	L-2	(L-1)(L-2)	GL
8	2.83	16	7.63	7	6	42	0.81

Ruang A : RRA = 3,88

RA / G_L = 3,14 / 0,81 = 3,88

Ruang B : RRA = 4,53

RA / G_L = 3,67 / 0,81 = 4,53

Ruang C : RRA = 5,59

RA / G_L = 4,52 / 0,81 = 5,59

Ruang D : RRA = 3,82

RA / G_L = 3,1 / 0,81 = 3,82

Ruang E : RRA = 3,88

RA / G_L = 3,14 / 0,81 = 3,88

Ruang F : RRA = 5,00

RA / G_L = 4,05 / 0,81 = 5,00

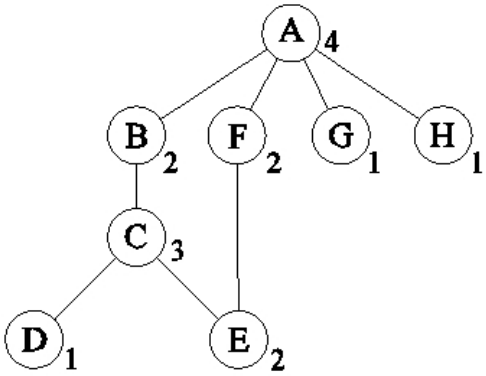
Ruang TG1 : RRA = 4,71

RA / G_L = 3,81 / 0,81 = 4,71

Ruang TG2 : RRA = 4,59

RA / G_L = 3,71 / 0,81 = 4,59

Nilai *integrity* sampel 3



A. Tahap 1 : *total depth* (TD)

- Ruang A : TD = 29

  Jarak B-A = 1 *step depth*

  Jarak B-A melewati C = 4 *step depth*

  Jarak C-A melewati B = 2 *step depth*

  Jarak C-A melewati E = 3 *step depth*

  Jarak D-A = 3 + 4 = 7 *step depth*

  Jarak E-A melewati C = 3 *step depth*

  Jarak E-A melewati F = 2 *step depth*

  Jarak F-A = 1 *step depth*

  Jarak F-A melewati E = 4 *step depth*

  Jarak G-A = 1 *step depth*

  Jarak H-A = 1 *step depth*

- Ruang B : TD = 41

  Jarak A-B = 1 *step depth*

  Jarak A-B melewati F = 4 *step depth*

  Jarak C-B= 1 *step depth*

  Jarak C-B melewati E = 4 *step depth*

  Jarak D-B = 2 + 5 = 7 *step depth*

  Jarak E-B melewati C = 2 *step depth*

  Jarak E-B melewati F = 3 *step depth*

  Jarak F-B melewati A = 2 *step depth*

Jarak F-B melewati E = 3 *step depth*

Jarak G-B = 2 + 5 = 7 *step depth*

Jarak H-B = G-B = 7 *step depth*

- Ruang C : TD = 35

  Jarak A-C melewati B = 2 *step depth*

  Jarak A-C melewati F = 3 *step depth*

  Jarak B-C = 1 *step depth*

  Jarak B-C melewati A = 4 *step depth*

  Jarak D-C = 1 *step depth*

  Jarak E-C = 1 *step depth*

  Jarak E-C melewati F = 4 *step depth*

  Jarak F-C melewati A = 3 *step depth*

  Jarak F-C melewati E = 2 *step depth*

  Jarak G-C = 3 + 4 = 7 *step depth*

  Jarak H-C = G-C = 7 *step depth*

- Ruang D : TD = 47

  Jarak A-D melewati B = 3 *step depth*

  Jarak A-D melewati F = 4 *step depth*

  Jarak B-D melewati A= 5 *step depth*

  Jarak B-D melewati C = 2 *step depth*

  Jarak C-D = 1 *step depth*

  Jarak E-D melewati C = 2 *step depth*

  Jarak E-D melewati F = 5 *step depth*

  Jarak F-D melewati A = 4 *step depth*

  Jarak F-D melewati E = 3 *step depth*

  Jarak G-D = 4 + 5 = 9 *step depth*

  Jarak H-D = G-D = 9 *step depth*

- Ruang E : TD = 41

  Jarak A-E melewati B = 3 *step depth*

Jarak A-E melewati F = 2 *step depth*

Jarak B-E melewati A = 3 *step depth*

Jarak B-E melewati C = 2 *step depth*

Jarak C-E = 1 *step depth*

Jarak C-E melewati B = 4 *step depth*

Jarak F-E = 1 *step depth*

Jarak F-E melewati A = 4 *step depth*

Jarak G-E = 3 + 4 = 7 *step depth*

Jarak H-E = G-E = 7 *step depth*

- Ruang F : TD = 41

  Jarak A-F = 1 *step depth*

  Jarak A-F melewati B = 4 *step depth*

  Jarak B-F melewati A = 2 *step depth*

  Jarak B-F melewati C = 3 *step depth*

  Jarak C-F melewati B = 3 *step depth*

  Jarak C-F melewati E = 2 *step depth*

  Jarak D-F = 3 + 4 = 7 *step depth*

  Jarak E-F = 1 *step depth*

  Jarak E-F melewati C = 4 *step depth*

  Jarak G-F = 2 + 5 = 7 *step depth*

  Jarak H-F = G-F = 7 *step depth*

- Ruang G : TD = 40

  Jarak A-G = 1 *step depth*

  Jarak B-G melewati A = 2 *step depth*

  Jarak B-G melewati C = 5 *step depth*

  Jarak C-G melewati B = 3 *step depth*

  Jarak C-G melewati E = 4 *step depth*

  Jarak D-G = 4 + 5 = 9 *step depth*

  Jarak E-G melewati C = 4 *step depth*

  Jarak E-G melewati F = 3 *step depth*

Jarak F-G melewati A = 2 *step depth*

Jarak F-G melewati E = 5 *step depth*

Jarak H-G = 2 *step depth*

Ruang H = Ruang G : TD = 40

B. Tahap 2 : *mean depth* (MD)

L = 8

Ruang A : MD = 4,14

MD = 29/(8-1) = 4,14

Ruang B : MD = 5,86

MD = 41/(8-1) = 5,86

Ruang C : MD = 5,00

MD = 35/(8-1) = 5,00

Ruang D : MD = 6,71

MD = 47/(8-1) = 6,71

Ruang E : MD = 5,86

MD = 41/(8-1) = 5, 86

Ruang F : MD = 5,86

MD = 41/(8-1) = 5,86

Ruang G : MD = 5,71

MD = 40/(8-1) = 5,71

Ruang H : MD = 5,71

MD = 40/(8-1) = 5,71

C. Tahap 3 : *relative asymmetry* (RA)

Ruang A : RA = 1,05

2 (MD-1) / (L-2)

2 (4,14-1) / (8-2) = 1,05

Ruang B : RA = 1,62

2 (5,86-1) / (8-2) = 1,62

Ruang C : RA = 1,33

2 (5,00-1) / (8-2) = 1,33

Ruang D : RA = 1,90

2 (6,71-1) / (8-2) = 1,90

Ruang E : RA = 1,62

2 (5,86-1) / (8-2) = 1,62

Ruang F : RA = 1,62

2 (5,86-1) / (8-2) = 1,62

Ruang G : RA = 1,57

2 (5,71-1) / (8-2) = 1,57

Ruang H : RA = 1,57

2 (5,71-1) / (8-2) = 1,57

D. Tahap 4 : *real relative asymmetry* (RRA)

Tabel hitung G_L

L	√L	2L	L√(L) - 2L + 1	L-1	L-2	(L-1)(L-2)	GL
8	2.83	16	7.63	7	6	42	0.81

Ruang A : RRA = 1,29

RA / G_L = 1,05 / 0,81 = 1,29

Ruang B : RRA = 2,00

RA / G_L = 1,62 / 0,81 = 2,00

Ruang C : RRA = 1,65

RA / G_L = 1,33 / 0,81 = 1,65

Ruang D : RRA = 2,35

RA / G_L = 1,9 / 0,81 = 2,35

Ruang E : RRA = 2,00

RA / G_L = 1,62 / 0,81 = 2,00

Ruang F : RRA = 2,00

RA / G_L = 1,62 / 0,81 = 2,00

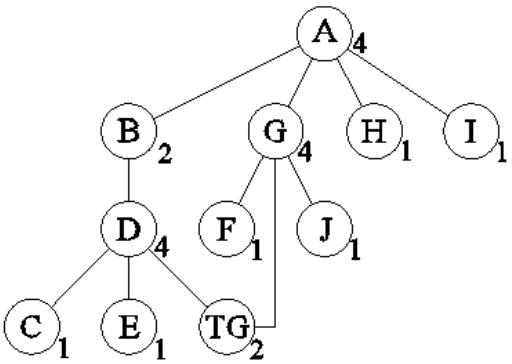
Ruang G : RRA = 1,94

RA / G_L = 1,57 / 0,81 = 1,94

Ruang H : RRA = 1,94

RA / G_L = 1,57 / 0,81 = 1,94

Nilai *integrity* sampel 4



A. Tahap 1 : *total depth* (TD)

- Ruang A : TD = 50

  Jarak B-A = 1 *step depth*

  Jarak B-A melewati D = 4 *step depth*

  Jarak C-A = 3 + 4 = 7 *step depth*

  Jarak D-A melewati B = 2 *step depth*

  Jarak D-A melewati TG = 3 *step depth*

  Jarak E-A = C-A = 7 *step depth*

  Jarak F-A = 2 + 5 = 7 *step depth*

  Jarak G-A = 1 *step depth*

  Jarak G-A melewati TG = 4 *step depth*

  Jarak H-A = 1 *step depth*

  Jarak I-A = H-A = 1 *step depth*

  Jarak J-A = 2 + 5 = 7 *step depth*

  Jarak TG-A melewati D = 3 + 2 = 5 *step depth*

- Ruang B : TD = 62

  Jarak A-B = 1 *step depth*

  Jarak A-B melewati G = 4 *step depth*

  Jarak C-B = 2 + 5 = 7 *step depth*

  Jarak D-B = 1 *step depth*

  Jarak D-B melewati TG = 4 *step depth*

  Jarak E-B = 2 + 5 = 7 *step depth*

  Jarak F-B = 3 + 4 = 7 *step depth*

Jarak G-B melewati A = 2 *step depth*

Jarak G-B melewati TG = 3 *step depth*

Jarak H-B = 2 + 5 = 7 *step depth*

Jarak I-B = H-B = 7 *step depth*

Jarak J-B = 3 + 4 = 7 *step depth*

Jarak TG-B melewati D = 2 *step depth*

Jarak TG-B melewati G = 3 *step depth*

- Ruang C : TD = 67

  Jarak A-C melewati B = 3 *step depth*

  Jarak A-C melewati G = 4 *step depth*

  Jarak B-C melewati A = 5 *step depth*

  Jarak B-C melewati D = 2 *step depth*

  Jarak D-C = 1 *step depth*

  Jarak E-C = 2 *step depth*

  Jarak E-C melewati F = 4 *step depth*

  Jarak F-C = 5 + 4 = 9 *step depth*

  Jarak G-C melewati A = 4 *step depth*

  Jarak G-C melewati TG = 3 *step depth*

  Jarak H-C = 4 + 5 = 9 *step depth*

  Jarak I-C = H-C = 9 *step depth*

  Jarak J-C = 5 + 4 = 9 *step depth*

  Jarak TG-C melewati D = 2 *step depth*

  Jarak TG-C melewati G = 5 *step depth*

- Ruang D : TD = 50

  Jarak A-D melewati B = 2 *step depth*

  Jarak A-D melewati G = 3 *step depth*

  Jarak B-D = 1 *step depth*

  Jarak B-D melewati A = 4 *step depth*

  Jarak C-D = 1 *step depth*

  Jarak E-D = 1 *step depth*

Jarak F-D = 4 + 3 = 7 *step depth*

Jarak G-D melewati A = 3 *step depth*

Jarak G-D melewati TG = 2 *step depth*

Jarak H-D = 3 + 4 = 7 *step depth*

Jarak I-D = H-D = 7 *step depth*

Jarak J-D = 4 + 3 = 7 *step depth*

Jarak TG-D = 1 *step depth*

Jarak TG-D melewati G = 4 *step depth*

- Ruang E : TD = 67

  Jarak A-E melewati B = 3 *step depth*

  Jarak A-E melewati G = 4 *step depth*

  Jarak B-E melewati A = 5 *step depth*

  Jarak B-E melewati D = 2 *step depth*

  Jarak C-E = 2 *step depth*

  Jarak D-E = 1 *step depth*

  Jarak F-E = 5 + 4 = 9 *step depth*

  Jarak G-E melewati A = 4 *step depth*

  Jarak G-E melewati TG = 3 *step depth*

  Jarak H-E = 4 + 5 = 9 *step depth*

  Jarak I-E = H-E = 9 *step depth*

  Jarak J-E = 5 + 4 = 9 *step depth*

  Jarak TG-E melewati D = 2 *step depth*

  Jarak TG-E melewati G = 5 *step depth*

- Ruang F : TD = 67

  Jarak A-F melewati B = 5 *step depth*

  Jarak A-F melewati G = 2 *step depth*

  Jarak B-F melewati A = 3 *step depth*

  Jarak B-F melewati D = 4 *step depth*

  Jarak C-F = 5 + 4 = 9 *step depth*

  Jarak D-F melewati B = 4 *step depth*

Jarak D-F melewati TG = 3 *step depth*

Jarak E-F = 5 + 4 = 9 *step depth*

Jarak G-F = 1 *step depth*

Jarak H-F = 3 + 6 = 9 *step depth*

Jarak I-F = H-F = 9 *step depth*

Jarak J-F = 2 *step depth*

Jarak TG-F melewati D = 5 *step depth*

Jarak TG-F melewati G = 2 *step depth*

- Ruang G : TD = 50

  Jarak A-G = 1 *step depth*

  Jarak A-G melewati B = 4 *step depth*

  Jarak B-G melewati A = 2 *step depth*

  Jarak B-G melewati D = 3 *step depth*

  Jarak C-G = 4 + 3 = 7 *step depth*

  Jarak D-G melewati B = 3 *step depth*

  Jarak D-G melewati TG = 2 *step depth*

  Jarak E-G = 4 + 3 = 7 *step depth*

  Jarak F-G = 1 *step depth*

  Jarak H-G = 2 + 5 = 7 *step depth*

  Jarak I-G = H-G = 7 *step depth*

  Jarak J-G = 1 *step depth*

  Jarak TG-G = 1 *step depth*

  Jarak TG-G melewati D = 4 *step depth*

- Ruang H : TD = 67

  Jarak A-H = 1 *step depth*

  Jarak B-H melewati A = 2 *step depth*

  Jarak B-H melewati D = 5 *step depth*

  Jarak C-H = 4 + 5 = 9 *step depth*

  Jarak D-H melewati B = 3 *step depth*

  Jarak D-H melewati TG = 4 *step depth*

Jarak E-H = 4 + 5 = 9 *step depth*

Jarak F-H = 3 + 6 = 9 *step depth*

Jarak G-H melewati A = 2 *step depth*

Jarak G-H melewati TG = 5 *step depth*

Jarak I-H = 2 *step depth*

Jarak J-H = 3 + 6 = 9 *step depth*

Jarak TG-H melewati D = 4 *step depth*

Jarak TG-H melewati G = 3*step depth*

- Ruang I = Ruang H : TD = 67
- Ruang J = Ruang F : TD = 67
- Ruang TG : TD = 62

Jarak A-TG melewati B = 3 *step depth*

Jarak A-TG melewati G = 2 *step depth*

Jarak B-TG melewati A = 3 *step depth*

Jarak B-TG melewati D = 2 *step depth*

Jarak C-TG = 2 + 5 = 7 *step depth*

Jarak D-TG = 1 *step depth*

Jarak D-TG melewati B = 4 *step depth*

Jarak E-TG = C-TG = 7 *step depth*

Jarak F-TG = 2 + 5 = 7 *step depth*

Jarak G-TG = 1 *step depth*

Jarak G-TG melewati A = 4 *step depth*

Jarak H-TG = 4 + 3 = 7 *step depth*

Jarak I-TG = H-TG = 7 *step depth*

Jarak J-TG = F-TG = 7 *step depth*

B. Tahap 2 : *mean depth* (MD)

L = 11

Ruang A : MD = 5,00

MD = 50/(11-1) = 5,00

Ruang B : MD = 6,20

MD = 62/(11-1) = 6,20

Ruang C : MD = 6,70

MD = 67/(11-1) = 6,70

Ruang D : MD = 5,00

MD = 50/(11-1) = 5,00

Ruang E : MD = 6,70

MD = 67/(11-1) = 6,70

Ruang F : MD = 6,70

MD = 67/(11-1) = 6,70

Ruang G : MD = 5,00

MD = 50/(11-1) = 5,00

Ruang H : MD = 6,70

MD = 67/(11-1) = 6,70

Ruang I : MD = 6,70

MD = 67/(11-1) = 6,70

Ruang J : MD = 6,70

MD = 67/(11-1) = 6,70

Ruang TG : MD = 6,20

MD = 62/(11-1) = 6,20

C. Tahap 3 : *relative asymmetry* (RA)

Ruang A : RA = 0,89

2 (MD-1) / (L-2)

2 (5,00-1) / (11-2) = 0,89

Ruang B : RA = 1,16

2 (6,20-1) / (11-2) = 1,16

Ruang C : RA = 1,27

2 (6,70-1) / (11-2) = 1,27

Ruang D : RA = 0,89

2 (5,00-1) / (11-2) = 0,89

Ruang E : RA = 1,27

2 (6,70-1) / (11-2) = 1,27

Ruang F : RA = 1,27

2 (6,70-1) / (11-2) = 1,27

Ruang G : RA = 0,89

2 (5,00-1) / (11-2) = 0,89

Ruang H : RA = 1,27

2 (6,70-1) / (11-2) = 1,27

Ruang I : RA = 1,27

2 (6,70-1) / (11-2) = 1,27

Ruang J : RA = 1,27

2 (6,70-1) / (11-2) = 1,27

Ruang TG : RA = 1,16

2 (6,20-1) / (11-2) = 1,16

D. Tahap 4 : *real relative asymmetry* (RRA)

Tabel hitung G_L

L	√L	2L	L√(L) - 2L + 1	L-1	L-2	(L-1)(L-2)	GL
11	3.32	22	15.48	10	9	90	0.88

Ruang A : RRA = 1,01

RA / G_L = 0,89 / 0,88 = 1,01

Ruang B : RRA = 1,32

RA / G_L = 1,16 / 0,88 = 1,32

Ruang C : RRA = 1,44

RA / G_L = 1,27 / 0,88 = 1,44

Ruang D : RRA = 1.01

RA / G_L = 0,89 / 0,88 = 1.01

Ruang E : RRA = 1,44

Ruang F : RRA = 1.44

RA / G_L = 1,27 / 0,88 = 1.44

Ruang G : RRA = 1,01

RA / G_L = 0.89 / 0,88 = 1,01

Ruang H : RRA = 1,44

RA / G_L = 1,27 / 0,88 = 1,44

Ruang I : RRA = 1,44

RA / G_L = 1,27 / 0,88 = 1,44

RA / G_L = 1,27 / 0,88 = 1,44

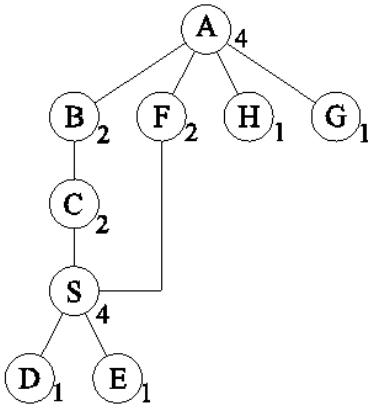
Ruang J : RRA = 1,44

RA / G_L = 1,27 / 0,88 = 1,44

Ruang TG : RRA = 1,32

RA / G_L = 1,16 / 0,88 = 1,32

Nilai *integrity* sampel 5



A. Tahap 1 : *total depth* (TD)

- Ruang A : TD = 36

  Jarak B-A = 1 *step depth*

  Jarak B-A melewati C = 4 *step depth*

  Jarak C-A melewati B = 2 *step depth*

  Jarak C-A melewati S = 3 *step depth*

  Jarak D-A = 4 + 3 = 7 *step depth*

  Jarak E-A = D-A = 7 *step depth*

  Jarak F-A = 1 *step depth*

  Jarak F-A melewati S = 4 *step depth*

  Jarak G-A = 1 *step depth*

  Jarak H-A = 1 *step depth*

  Jarak S-A melewati C = 3 *step depth*

  Jarak S-A melewati F = 2 *step depth*

- Ruang B : TD = 48

  Jarak A-B = 1 *step depth*

  Jarak A-B melewati F = 4 *step depth*

  Jarak C-B= 1 *step depth*

  Jarak C-B melewati S = 4 *step depth*

  Jarak D-B = 3 + 4 = 7 *step depth*

  Jarak E-B = D-B = 7 *step depth*

  Jarak F-B melewati A = 2 *step depth*

Jarak F-B melewati S = 3 *step depth*

Jarak G-B = 2 + 5 = 7 *step depth*

Jarak H-B = G-B = 7 *step depth*

Jarak S-B melewati C = 2 *step depth*

Jarak S-B melewati F = 3 *step depth*

- Ruang C : TD = 48

  Jarak A-C melewati B = 2 *step depth*

  Jarak A-C melewati F = 3 *step depth*

  Jarak B-C = 1 *step depth*

  Jarak B-C melewati A = 4 *step depth*

  Jarak D-C = 2 +5 = 7 *step depth*

  Jarak E-C = D-C = 7 *step depth*

  Jarak F-C melewati A = 3 *step depth*

  Jarak F-C melewati S = 2 *step depth*

  Jarak G-C = 3 + 4 = 7 *step depth*

  Jarak H-C = G-C = 7 *step depth*

  Jarak F-C = 2 *step depth*

  Jarak S-C melewati F = 4 *step depth*

- Ruang D : TD = 49

  Jarak A-D melewati B = 4 *step depth*

  Jarak A-D melewati F = 3 *step depth*

  Jarak B-D melewati A= 4 *step depth*

  Jarak B-D melewati C = 3 *step depth*

  Jarak C-D melewati B = 5 *step depth*

  Jarak C-D melewati S = 2 *step depth*

  Jarak E-D = 2 *step depth*

  Jarak F-D melewati A = 5 *step depth*

  Jarak F-D melewati S = 2 *step depth*

  Jarak G-D = 5 + 4 = 9 *step depth*

  Jarak H-D = G-D = 9 *step depth*

Jarak S-D = 1 *step depth*

- Ruang E = Ruang D : TD = 49
- Ruang F : TD = 48

  Jarak A-F = 1 *step depth*

  Jarak A-F melewati B = 4 *step depth*

  Jarak B-F melewati A = 2 *step depth*

  Jarak B-F melewati C = 3 *step depth*

  Jarak C-F melewati B = 3 *step depth*

  Jarak C-F melewati S = 2 *step depth*

  Jarak D-F = 5 + 2 = 7 *step depth*

  Jarak E-F = D-F = 7 *step depth*

  Jarak G-F = 2 + 5 = 7 *step depth*

  Jarak H-F = G-F = 7 *step depth*

  Jarak S-F = 1 *step depth*

  Jarak S-F melewati C = 4 *step depth*

- Ruang G : TD = 49

  Jarak A-G = 1 *step depth*

  Jarak B-G melewati A = 2 *step depth*

  Jarak B-G melewati C = 5 *step depth*

  Jarak C-G melewati B = 3 *step depth*

  Jarak C-G melewati S = 4 *step depth*

  Jarak D-G = 5 + 4 = 9 *step depth*

  Jarak E-G = D-G = 9 *step depth*

  Jarak F-G melewati A = 2 *step depth*

  Jarak F-G melewati S = 5 *step depth*

  Jarak H-G = 2 *step depth*

  Jarak S-G melewati C = 4 *step depth*

  Jarak S-G melewati F = 3 *step depth*

- Ruang H = Ruang G : TD = 49
- Ruang S : TD = 36

  Jarak A-S melewati B = 3 *step depth*

  Jarak A-S melewati F = 2 *step depth*

  Jarak B-S melewati A = 3 *step depth*

  Jarak B-S melewati C = 2 *step depth*

  Jarak C-S = 1 *step depth*

  Jarak C-S melewati B = 4 *step depth*

  Jarak D-S = 1 *step depth*

  Jarak E-S = D-S = 1 *step depth*

  Jarak F-S = 1 *step depth*

  Jarak F-S melewati A = 4 *step depth*

  Jarak G-S = 4 + 3 = 7 *step depth*

  Jarak H-S = G-S = 7 *step depth*

B. Tahap 2 : *mean depth* (MD)

L = 9

Ruang A : MD = 4,50

MD = 36/(9-1) = 4,50

Ruang B : MD = 6,00

MD = 48/(9-1) = 6,00

Ruang C : MD = 6,00

MD = 48/(9-1) = 6,00

Ruang D : MD = 6,13

MD = 49/(9-1) = 6,13

Ruang E : MD = 6,13

MD = 49/(9-1) = 6,13

Ruang F : MD = 6,00

MD = 48/(9-1) = 6,00

Ruang G : MD = 6,13

MD = 49/(9-1) = 6,13

Ruang H : MD = 6,13

MD = 49/(9-1) = 6,13

Ruang S : MD = 4,50

MD = 36/(9-1) = 4,50

C. Tahap 3 : *relative asymmetry* (RA)

Ruang A : RA = 1,00

2 (MD-1) / (L-2)

2 (4,50-1) / (9-2) = 1,00

Ruang B : RA = 1,43

2 (6,00-1) / (9-2) = 1,43

Ruang C : RA = 1,43

2 (6,00-1) / (9-2) = 1,43

Ruang D : RA = 1,46

2 (6,13-1) / (9-2) = 1,46

Ruang E : RA = 1,46

2 (6,13-1) / (9-2) = 1,46

Ruang F : RA = 1,43

2 (6,00-1) / (9-2) = 1,43

Ruang G : RA = 1,46

2 (6,13-1) / (9-2) = 1,46

Ruang H : RA = 1,46

2 (6,13-1) / (9-2) = 1,46

Ruang S : RA = 1,00

2 (4,50-1) / (9-2) = 1,00

D. Tahap 4 : *real relative asymmetry* (RRA)

Tabel hitung G_L

L	**√L**	**2L**	**L√(L) - 2L + 1**	**L-1**	**L-2**	**(L-1)(L-2)**	**GL**
9	3.00	18	10.00	8	7	56	0.84

Ruang A : RRA = 1,19

RA / G_L = 1,00 / 0,84 = 1,19

Ruang B : RRA = 1,70

RA / G_L = 1,43 / 0,84 = 1,70

Ruang C : RRA = 1,70

RA / G_L = 1,43 / 0,84 = 1,70

Ruang D : RRA = 1,74

RA / G_L = 1,46 / 0,84 = 1,74

Ruang E : RRA = 1,74

RA / G_L = 1,46 / 0,84 = 1,74

Ruang F : RRA = 1,70

RA / G_L = 1,43 / 0,84 = 1,70

Ruang G : RRA = 1,74

RA / G_L = 1,46 / 0,84 = 1,74

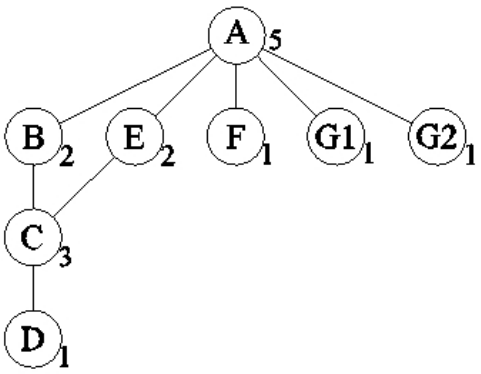
Ruang H : RRA = 1,74

RA / G_L = 1,46 / 0,84 = 1,74

Ruang S : RRA = 1,19

RA / G_L = 1,00 / 0,84 = 1,19

Nilai *integrity* sampel 6



A. Tahap 1 : *total depth* (TD)

- Ruang A : TD = 21

  Jarak B-A = 1 *step depth*

  Jarak B-A melewati C = 3 *step depth*

  Jarak C-A melewati B = 2 *step depth*

  Jarak C-A melewati E = 2 *step depth*

  Jarak D-A = 3 + 3 = 6 *step depth*

  Jarak E-A = 1 *step depth*

  Jarak E-A melewati C = 3 *step depth*

  Jarak F-A = 1 *step depth*

  Jarak G1-A = 1 *step depth*

  Jarak G2-A = 1 *step depth*

- Ruang B : TD = 36

  Jarak A-B = 1 *step depth*

  Jarak A-B melewati E = 3 *step depth*

  Jarak C-B =1 *step depth*

  Jarak C-B melewati E = 3 *step depth*

  Jarak D-B = 2 + 4 = 6 *step depth*

  Jarak E-B melewati A = 2 *step depth*

  Jarak E-B melewati C = 2 *step depth*

  Jarak F-B = 2 + 4 = 6 *step depth*

  Jarak G1-B = F-B = 6 *step depth*

  Jarak G2-B = F-B = 6 *step depth*

- Ruang C : TD = 31

  Jarak A-C melewati B = 2 *step depth*

  Jarak A-C melewati E = 2 *step depth*

  Jarak B-C = 1 *step depth*

  Jarak B-C melewati A = 3 *step depth*

  Jarak D-C = 1 *step depth*

  Jarak E-C = 1 *step depth*

  Jarak E-C melewati A = 3 *step depth*

  Jarak F-C = 3 + 3 = 6 *step depth*

  Jarak G1-C = F-C = 6 *step depth*

  Jarak G2-C = F-C = 6 *step depth*

- Ruang D : TD = 43

  Jarak A-D melewati B = 3 *step depth*

  Jarak A-D melewati E = 3 *step depth*

  Jarak B-D melewati A = 4 *step depth*

  Jarak B-D melewati C = 2 *step depth*

  Jarak C-D = 1 *step depth*

  Jarak E-D melewati A = 4 *step depth*

  Jarak E-D melewati C = 2 *step depth*

  Jarak F-D = 4 + 4 = 8 *step depth*

  Jarak G1-D = F-D = 8 *step depth*

  Jarak G1-D = F-D = 8 *step depth*

- Ruang E : TD = 36

  Jarak A-E = 1 *step depth*

  Jarak A-E melewati B = 3 *step depth*

  Jarak B-E melewati A = 2 *step depth*

  Jarak B-E melewati C = 2 *step depth*

  Jarak C-E = 1 *step depth*

  Jarak C-E melewati B = 3 *step depth*

  Jarak D-E = 4 + 2 = 6 *step depth*

Jarak F-E = 2 + 4 = 6 *step depth*

Jarak G1-E = F-E = 6 *step depth*

Jarak G2-E = F-E = 6 *step depth*

- Ruang F : TD = 31

  Jarak A-F = 1 *step depth*

  Jarak B-F melewati A = 2 *step depth*

  Jarak B-F melewati C = 4 *step depth*

  Jarak C-F melewati B = 3 *step depth*

  Jarak C-F melewati E = 3 *step depth*

  Jarak D-F = 4 + 4 = 8 *step depth*

  Jarak E-F melewati A = 2 *step depth*

  Jarak E-F melewati C = 4 *step depth*

  Jarak G1-F = 2 *step depth*

  Jarak G2-F = G1-F = 2 *step depth*

- Ruang G1 = Ruang F : TD = 31
- Ruang G2 = Ruang F : TD = 31

B. Tahap 2 : *mean depth* (MD)

L = 8

Ruang A : MD = 3,00

MD = 21/(8-1) = 3,00

Ruang B : MD = 5,14

MD = 36/(8-1) = 5,14

Ruang C : MD = 4,43

MD = 31/(8-1) = 4,43

Ruang D : MD = 6,14

MD = 43/(8-1) = 6,14

Ruang E : MD = 5,14

MD = 36/(8-1) = 5,14

Ruang F : MD = 4,43

MD = 31/(8-1) = 4,43

Ruang G1 : MD = 4,43

MD = 31/(8-1) = 4,43

Ruang G2 : MD = 4,43

MD = 31/(8-1) = 4,43

C. Tahap 3 : *relative asymmetry* (RA)

Ruang A : RA = 0,67

2 (MD-1) / (L-2)

2 (3,00-1) / (8-2) = 0,67

Ruang B : RA = 1,38

2 (5,14-1) / (8-2) = 1,38

Ruang C : RA = 1,14

2 (4,43-1) / (8-2) = 1,14

Ruang D : RA = 1,71

2 (6,14-1) / (8-2) = 1,71

Ruang E : RA = 1,38

2 (5,14-1) / (8-2) = 1,38

Ruang F : RA = 1,14

2 (4,43-1) / (8-2) = 1,14

Ruang G1 : RA = 1,14

2 (4,43-1) / (8-2) = 1,14

Ruang G2 : RA = 1,14

2 (4,43-1) / (8-2) = 1,14

D. Tahap 4 : *real relative asymmetry* (RRA)

Tabel hitung G_L

L	√L	2L	L√(L) - 2L + 1	L-1	L-2	(L-1)(L-2)	GL
8	2.83	16	7.63	7	6	42	0.81

Ruang A : RRA = 0,82

RA / G_L = 0,67 / 0,81 = 0,82

Ruang B : RRA = 1,71

RA / G_L = 1,38 / 0,81 = 1,71

Ruang C : RRA = 1,41

RA / G_L = 1,14 / 0,81 = 1,41

Ruang D : RRA = 2,12

RA / G_L = 1,71 / 0,81 = 2,12

Ruang E : RRA = 1,71

RA / G_L = 1,38 / 0,81 = 1,71

Ruang F : RRA = 1,41

RA / G_L = 1,14 / 0,81 = 1,41

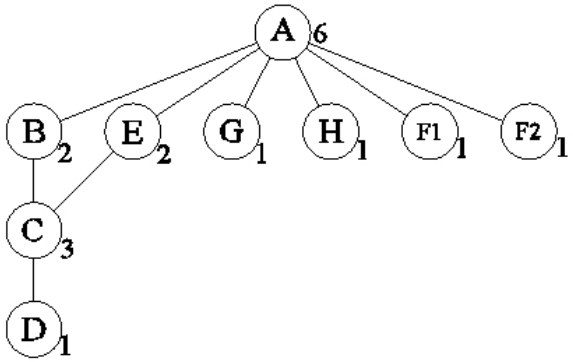
Ruang G1 : RRA = 1,41

RA / G_L = 1,14 / 0,81 = 1,41

Ruang G2 : RRA = 1,41

RA / G_L = 1,14 / 0,81 = 1,41

Nilai *integrity* sampel 7



A. Tahap 1 : *total depth* (TD)

- Ruang A : TD = 22

  Jarak B-A = 1 *step depth*

  Jarak B-A melewati C = 3 *step depth*

  Jarak C-A melewati B = 2 *step depth*

  Jarak C-A melewati E = 2 *step depth*

  Jarak D-A = 3 + 3 = 6 *step depth*

  Jarak E-A = 1 *step depth*

  Jarak E-A melewati C = 3 *step depth*

  Jarak F1-A = 1 *step depth*

  Jarak F2-A = 1 *step depth*

  Jarak G-A = 1 *step depth*

  Jarak H-A = 1 *step depth*

- Ruang B : TD = 42

  Jarak A-B = 1 *step depth*

  Jarak A-B melewati E = 3 *step depth*

  Jarak C-B =1 *step depth*

  Jarak C-B melewati E = 3 *step depth*

  Jarak D-B = 3 + 3 = 6 *step depth*

  Jarak E-B melewati A = 2 *step depth*

  Jarak E-B melewati C = 2 *step depth*

  Jarak F1-B = 2 + 4 = 6 *step depth*

  Jarak F2-B = F1-B = 6 *step depth*

Jarak G-B = F1-B = 6 *step depth*

Jarak H-B = F1-B = 6 *step depth*

- Ruang C : TD = 37

  Jarak A-C melewati B = 2 *step depth*

  Jarak A-C melewati E = 2 *step depth*

  Jarak B-C = 1 *step depth*

  Jarak B-C melewati A = 3 *step depth*

  Jarak D-C = 1 *step depth*

  Jarak E-C = 1 *step depth*

  Jarak E-C melewati A = 3 *step depth*

  Jarak F1-C = 3 + 3 = 6 *step depth*

  Jarak F2-C = F1-C = 6 *step depth*

  Jarak G-C = F1-C = 6 *step depth*

  Jarak H-C = F1-C = 6 *step depth*

- Ruang D : TD = 51

  Jarak A-D melewati B = 3 *step depth*

  Jarak A-D melewati E = 3 *step depth*

  Jarak B-D melewati A = 4 *step depth*

  Jarak B-D melewati C = 2 *step depth*

  Jarak C-D = 1 *step depth*

  Jarak E-D melewati A = 4 *step depth*

  Jarak E-D melewati C = 2 *step depth*

  Jarak F1-D = 4 + 4 = 8 *step depth*

  Jarak F2-D = F1-D = 8 *step depth*

  Jarak G-D = F1-D = 8 *step depth*

  Jarak H-D = F1-D = 8 *step depth*

- Ruang E : TD = 42

  Jarak A-E = 1 *step depth*

  Jarak A-E melewati B = 3 *step depth*

Jarak B-E melewati A = 2 *step depth*

Jarak B-E melewati C = 2 *step depth*

Jarak C-E = 1 *step depth*

Jarak C-E melewati B = 3 *step depth*

Jarak D-E = 2 + 4 = 6 *step depth*

Jarak F1-E = 2 + 4 = 6 *step depth*

Jarak F2-E = F1-E = 6 *step depth*

Jarak G-E = F1-E = 6 *step depth*

Jarak H-E = F1-E = 6 *step depth*

- Ruang F1 : TD = 33

  Jarak A-F1 = 1 *step depth*

  Jarak B-F1 melewati A = 2 *step depth*

  Jarak B-F1 melewati C = 4 *step depth*

  Jarak C-F1 melewati B = 3 *step depth*

  Jarak C-F1 melewati E = 3 *step depth*

  Jarak D-F1 = 4 + 4 = 8 *step depth*

  Jarak E-F1 melewati A = 2 *step depth*

  Jarak E-F1 melewati C = 4 *step depth*

  Jarak F2-F1 = 2 *step depth*

  Jarak G-F1 = F1-F1 = 2 *step depth*

  Jarak H-F1 = F1-F1 = 2 *step depth*

- Ruang F2 = Ruang F1 : TD = 33
- Ruang G = Ruang F1 : TD = 33
- Ruang H = Ruang F1 : TD = 33

B. Tahap 2 : *mean depth* (MD)

L = 9

Ruang A : MD = 2,75

MD = 22/(9-1) = 2,75

Ruang B : MD = 5,25

MD = 42/(9-1) = 5,25

Ruang C : MD = 4,63

MD = 37/(9-1) = 4,63

Ruang D : MD = 6,38

MD = 51/(9-1) = 6,38

Ruang E : MD = 5,25

MD = 42/(9-1) = 5,25

Ruang F1 : MD = 4,13

MD = 33/(9-1) = 4,13

Ruang F21 : MD = 4,13

MD = 33/(9-1) = 4,13

Ruang G : MD = 4,13

MD = 33/(9-1) = 4,13

Ruang H : MD = 4,13

MD = 33/(9-1) = 4,13

C. Tahap 3 : *relative asymmetry* (RA)

Ruang A : RA = 0,50

2 (MD-1) / (L-2)

2 (2,75-1) / (9-2) = 0,50

Ruang B : RA = 1,21

2 (5,25-1) / (9-2) = 1,21

Ruang C : RA = 1,04

2 (4,63-1) / (9-2) = 1,04

Ruang D : RA = 1,54

2 (6,38-1) / (9-2) = 1,54

Ruang E : RA = 1,21

2 (5,25-1) / (9-2) = 1,21

Ruang F1 : RA = 0,89

2 (4,13-1) / (9-2) = 0,89

Ruang F2 : RA = 0,89

2 (4,13-1) / (9-2) = 0,89

Ruang G : RA = 0,89

2 (4,13-1) / (9-2) = 0,89

Ruang H : RA = 0,89

2 (4,13-1) / (9-2) = 0,89

D. Tahap 4 : *real relative asymmetry* (RRA)

Tabel hitung G_L

L	√L	2L	L√(L) - 2L + 1	L-1	L-2	(L-1)(L-2)	GL
9	3.00	18	10.00	8	7	56	0.84

Ruang A : RRA = 0,6

RA / G_L = 0,5 / 0,84 = 0,6

Ruang B : RRA = 1,45

RA / G_L = 1,21 / 0,84 = 1,45

Ruang C : RRA = 1,23

RA / G_L = 1,04 / 0,84 = 1,23

Ruang D : RRA = 1,83

RA / G_L = 1,54 / 0,84 = 1,83

Ruang E : RRA = 1,45

RA / G_L = 1,21 / 0,84 = 1,45

Ruang F1 : RRA = 1,06

RA / G_L = 0,89 / 0,84 = 1,06

Ruang F2 : RRA = 1,06

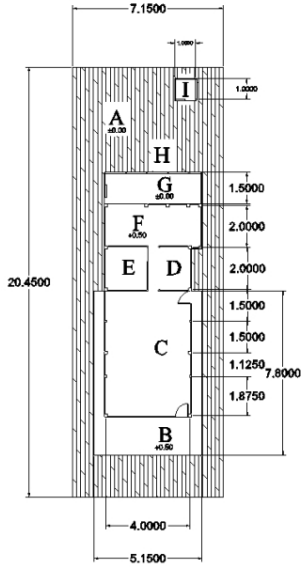
RA / G_L = 0,89 / 0,84 = 1,06

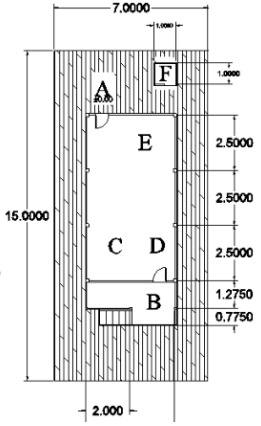
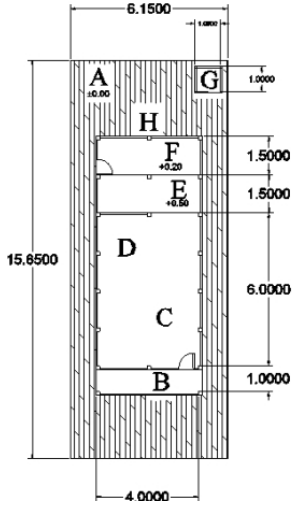
Ruang G : RRA = 1,06

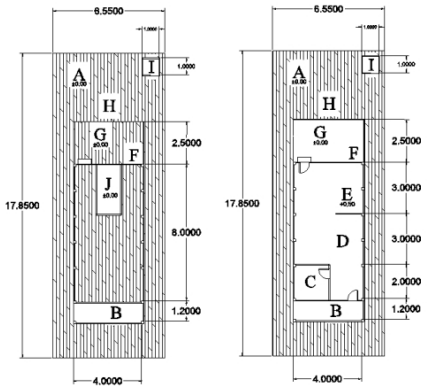
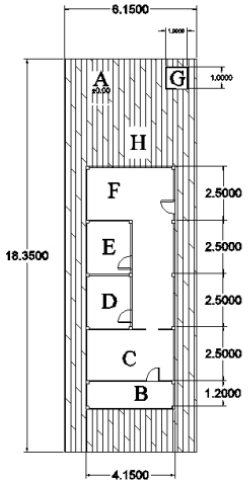
RA / G_L = 0,89 / 0,84 = 1,06 Ruang H : RRA = 1,06

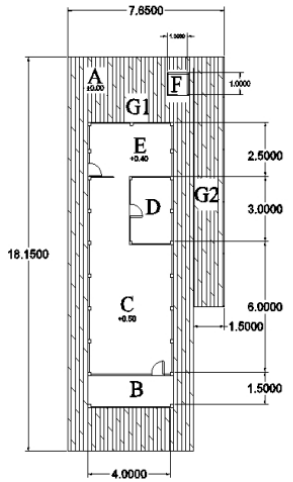
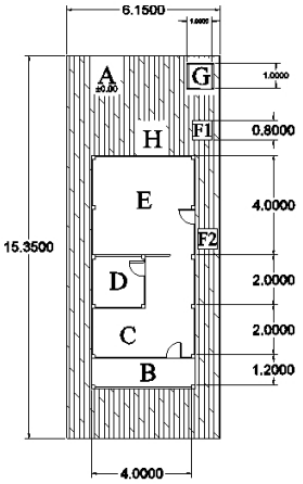
RA / G_L = 0,89 / 0,84 = 1,06

LAMPIRAN 2
SAMPEL PENELITIAN

No.	Kode Sampel	Tampak Bangunan	Nama Pemilik	Tipe Bangunan	Ruang-ruang yang Ditemukan	Tata Ruang Dalam (Denah)
1	Rumah 01 (RTDT.1)		Hj. Hasni	Hunian Tetap	Rakit, Teras, R. Bersama, R. Penyimpanan, R. Tidur, Dapur, Dapur belakang, WC/KM, R. Penjemuran Ikan, Selasar	 Ket : A : Rakit Bambu B : Lego-lego (teras) C : Ruang Serbaguna D : Ruang Penyimpanan Barang E : Ruang Tidur F : Dapureng (dapur) G : Dapur belakang H : Ruang Penjemuran Ikan I : WC/KM

2	Rumah 02 (RTDT.2)		Pak Samsul	Hunian Sementara	Rakit, Teras, R. Tidur, R. Tidur, R. Tamu, dapur, WC/KM, tangga	 Ket : A : Rakit Bambu B : Lego-lego (teras) C : Ruang Tidur D : Ruang Tamu dan Penyimpanan Barang E : Dapureng (dapur) F : WC/KM
3	Rumah 03 (RTDT.3)		H. Bahru	Hunian Sementara	Rakit, Teras, R. Bersama, R. Tidur, R. Makan, dapur, WC/KM, R. Jemur Ikan	 Ket : A : Rakit Bambu B : *Lego-lego* (teras) C : Ruang Bersama D : Ruang Tidur E : Ruang Makan F : *Dapureng* (dapur) G : WC/KM H : R. Penjemuran Ikan

4	Rumah 04 (RTDT.4)		Jumardin & Sumiati	Hunian Sementara	Rakit, Teras, R. Bersama, R. Tidur, dapur, dapur belakang, WC/KM, R. Jemur Ikan, R. Pengolahan ikan, kandang ayam	 Ket : A : Rakit Bambu B : Lego-lego (teras) C : Ruang Tidur D : Ruang Bersama E : Dapureng (dapur) F : Dapur Belakang G : R. Pengolahan Ikan H : R. Penjemuran Ikan I : WC/KM J : Kandang Ayam
5	Rumah 05 (RTDT.5)		Mase & Riang	Hunian Sementara	Rakit, Teras, R. tamu, R. Tidur 1, R. Tidur 2, dapur, WC/KM, R. Penjemuran ikan	 Ket : A : Rakit Bambu B : *Lego-lego* (teras) C : Ruang Tamu D : Ruang Tidur 1 E : Ruang Tidur 2 F : *Dapureng* (dapur) G : WC/KM H : R. Penjemuran Ikan

6	Rumah 06 (RTDT.6)		Muslimin & St. Murni	Hunian Tetap	Rakit, Teras, R. Bersama, R. Tidur, dapur, WC/KM, R. Jemur Ikan	
7	Rumah 07 (RTDT.7)		Saenab, Maga' & Yudi	Hunian Tetap	Rakit, Teras, R. Tamu, R. Tidur, R. Makan, dapur, WC/KM, R. Jemur Ikan, kandang ayam	

(Sumber: Penulis, 2020)