



13. [ III-2 ]  $L2 = \frac{L1xB2}{B1}$  ..[ Morgan, 1964 ].....III-20
14. [ IV-1 ]  $Speed\ Ring/ Roll ( m/sec ) = \frac{Kapasitas\ Mesin\ Desain}{Luas\ Area \times 3600 \times Copper\ Density \times 60} \times 10^4$   
. [ Morgan, 1964 ].....IV-3
15. [ IV-2 ]  $Speed\ Ring / Roll ( m/sec ) = \frac{Speed / Ring(m/sec)}{3600} \times 10^{-2}$   
[ Morgan, 1964 ].....IV-3
16. [ IV-3 ]  $Speed\ Ring / Ring ( rpm ) = \frac{Speed\ Ring / Roll(m/sec)}{3.14 \times Average\ Diameter}$   
[ Morgan, 1964 ].....IV-3
17. [ IV-4 ]  $Speed\ Motor\ Ring / Roll ( rpm ) = \frac{Speed\ Ring / Roll(m/sec)}{Gear\ Ratio}$   
[ Morgan, 1964 ].....IV-4
18. [ IV-5 ]  $Volume\ Rates ( m^3/sec ) = \frac{Speed\ Ring / Roll(m/sec)}{Cross\ Section} \times 10^{-6}$   
[ Morgan, 1964 ].....IV-4
19. [ IV-6 ]  $1\ m^3/sec = 8900\ kg/sec$ ..[ Morgan, 1964 ].....IV-4
20. [ IV-7 ]  $Kg/sec = Volume\ rate ( m^3/sec ) \times 8900$ ..[ Morgan, 1964 ].....IV-4
21. [ IV-8 ]  $Average\ Diameter ( m ) = \frac{Outer\ Diameter - Inner\ Diameter}{2}$   
[ Morgan, 1964 ].....IV-4
22. [ IV-9 ]  $Copper\ Density = 8.9 \times 10^{-4}\ kg/m^2$  ..[ Morgan, 1964 ].....IV-4

