1.
$$\lambda = 1000$$
 pelanggan x 4 panggilan/jam = 4000 panggilan/jam

M = 400 panggilan/jam

$$A = \frac{x}{u} = \frac{4900}{400} = 10$$
 exlang

$$t = \frac{A}{N} = \frac{10}{8} = 1,25$$
 jan • 75 menst

$$A = \frac{V}{T} = \frac{(1 \times 35 \text{ menst}) + (1 \times 55 \text{ menst})}{5 \times 60 \text{ menst}} = \frac{100}{300} = 0,6 \text{ erlang}$$

3.
$$A = \frac{V}{T} - \frac{30.60}{3.600} = \frac{1000}{3600} = 0.5 \text{ er lang}$$

4. 1)
$$N = 30$$
, $A = 1,25$ erlang

A per Sirkit = $\frac{1,25}{20} = 0,6625$ erlang

Sirkit Sibak = 0,0625 jam = 3,75 menit

2)
$$N = 4$$
, $A = 36$ $CCS = 1$ erlang

A per $Sirkit = \frac{1}{9} = 0,25$ erlang

 $Sirkit Sibuh = 0,25$ jam = 15 menst

3)
$$N = 15$$
, $A = 10$ erlang

A per strkit = $\frac{10}{15} = \frac{2}{3} = 0,667$ er lang

Strkit struk = 0,667 jam = 40 ment

5. 1)
$$A = \frac{A_1.T_1 + A_2.T_2 + A_3.T_3 + A_4.T_4}{T}$$

$$A = \frac{15 - \frac{1}{4} + 70.\frac{1}{4} + 59.\frac{1}{4} + 20.\frac{1}{4}}{1}$$

2)
$$A = \frac{V}{T} = \frac{15 + 70 + 54 + 20}{1} = 159 \text{ erlang}$$

$$A = \frac{1}{T} \sum_{\rho} \rho \cdot t_{\rho} = \frac{1}{1} \cdot \left(\frac{15 \cdot \frac{5}{60} + 70 \cdot \frac{5}{60} + 54 \cdot \frac{5}{60} + 20 \cdot \frac{5}{60}}{1} \right)$$

1)
$$A = C. \frac{h}{T} = 0500. \frac{10}{69} = 1416, 67 \text{ erlang}$$

2)
$$A_c = (8500-55)$$
. $\frac{16}{60} = 1407$, 5 erlang

3)
$$A_R = 55. \frac{19}{69} = 9,167 \text{ or larg}$$

4)
$$B = \frac{R}{A} = \frac{55}{p500} = \frac{11}{1700} = 6,47 \times 10^{-3}$$

`	Day / Pime	13.00	14.50	15.00	16,00	17.00
-	Ra bu	25 6	623	420	567	369
-	Kamis	2/2	400	590	160	905
_	Juma+	780	547	329	240	609
_	Jumlah	1248	1570	1339	967	2043

Trasik TCBH =
$$\frac{2043}{3}$$
 = 681 or lang

Trasik ABBH = $\frac{623 + 905 + 780}{3}$ = 796 or lang

$$A = \frac{V}{T} = \frac{3 \times \omega + 2 \times 20 + 3 \times 20}{60 - 10} = \frac{13\%}{57} = 2,6 \text{ erlang}$$

$$V = 3 \times 60 + 2 \times 20 + 3 \times 20 = 130$$
 menst