1. Suatu rangkaian Common Kolektor Amplifier mempunyai :

   R_S = 3 KΩ R_L = 100 Ω
   R_E = 4 KΩ C_1 = 5 μF
   R_B = 20 KΩ C_2 = 50 mF
   r_π = 5 KΩ gm = 50 mυ

   Buat rangkaian ekivalennya dan hitunglah :

   a. ω_{C1} c. nilai ω_L
   b. ω_{C2}

2. Suatu rangkaian Common Basis Amplifier mempunyai :

   R_S = 100 Ω R_C = 6 KΩ gm = 50 mυ
   R_E = 4 KΩ R_L = 3 KΩ C_1 = 10 μF
   R_B = 20 KΩ C_1 = 100 μF C_μ = 1,4 pF
   r_π = 5 KΩ C_2 = 15 μF C_π = 9 pF

   Buat rangkaian ekivalennya dan hitunglah saat r_x = 0:

   c. ω_{C1} c. nilai ω_L
   d. ω_{C2}

3. Suatu Rangkaian Penguat Common Emiter mempunyai :

   R_S = 10 kΩ r_π = 2,5 kΩ C_2 = 4 μF
   R_1 = 50 kΩ r_X = 20 Ω C_E = 12 μF
   R_2 = 20 kΩ gm = 20 mυ C_π = 28,6 pF
   R_C = 5 kΩ R_L = 1 kΩ C_x = 3,2 pF
   R_E = 1 kΩ C_1 = 8 μF dan β_0 = 100

   Buat rangkaian ekivalennya dan hitunglah :

   a. ω_{C3} b. ω_H c. ω_L