## 14. Zadatci snaja

Thrividma smaga simetričnoj induktivnoj trošila spojenog u trokut je 4.5 kVA, a radna smaga trošila je 3.6 kW uz linijsku ztroju od 20A. Wredile impedanciju.

Suk=4.5 kVAP=3.6 kWP=3.6 kWP=3.6 kWTe=30A 2=?Te=30A 3.6 kW 3

Te = 30A

$$2 = ?$$
 $P_1 = P_2 = P_3 \rightarrow P_1 = \frac{P_u k}{3} = 1200W$ 

TROKUT

 $P_1 = P_2 = P_3 \rightarrow P_1 = \frac{P_u k}{3} = 1200W$ 
 $Q = \frac{Q_u k}{3} = \frac{Q_0 k_T}{3}$ 
 $Q = \frac{Q_0 k_T}{3} = \frac{Q_0 k_T}{3} = \frac{Q_0 k_T}{3}$ 
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$$= \mathbb{P}_{i} = \mathbb{I}^{2} \cdot \mathbb{P}_{e}\{z\} \longrightarrow \mathbb{R}_{e}\{z\} = 4 \quad \text{If } z = 4 + 3j$$

$$\mathbb{Q}_{i} = \mathbb{I}^{2} \cdot \mathbb{I}_{e}\{z\} \longrightarrow \mathbb{I}_{e}\{z\} = 3 \quad \text{If } z = 4 + 3j$$

Put=?  $U\ell = \frac{UL}{\sqrt{3}} = 220V$   $I_{12} = \frac{UL}{2} = 3.8 L - 30 - 2bos sime tricinos to <math>Z_1 = Z_2 = 23$ yiduake su snage  $P_1 + P_2 + P_3 \rightarrow P_{11}k = 3P_1$ 

per snage 
$$P_1 + P_2 + P_3 \rightarrow P_4$$

$$P = 3 \cdot I^2 \cdot \text{Rel2}$$

$$P = 3 \cdot 75 \text{ kW}$$

Zadatak 4) JES - (9/20. - 18) 11=12 -simetnični troforani izvor Uc = 400V Quz=? 21=231=6+18\_12 223=20\_0 Que = I2. Juley Que = 2. I12. 8 = 25600 kWar inducirani jur zarginica