

Perhitungan beban eksternal pada bangunan menara kincir angin dengan luas baling-baling 12m^2 , berat pembobot baling- baling 20g, 40kg, 60kg, 80kg dan 100kg pada pukul 00:05:23 sampai dengan pukul 20:02:29

Pukul 00:05:23

$$12\text{m}^2 \times 8,21 \times 20\text{kg} = 1970,4 \text{ kg}$$

$$12\text{m}^2 \times 8,21 \times 40\text{kg} = 3940,8 \text{ kg}$$

$$12\text{m}^2 \times 8,21 \times 60\text{kg} = 5911,2 \text{ kg}$$

$$12\text{m}^2 \times 8,21 \times 80\text{kg} = 7881,6 \text{ kg}$$

$$12\text{m}^2 \times 8,21 \times 100\text{kg} = 9852 \text{ kg}$$

Pukul 1:43:46

$$12\text{m}^2 \times 0 \times 20\text{kg} = 0 \text{ kg}$$

$$12\text{m}^2 \times 0 \times 40\text{kg} = 0 \text{ kg}$$

$$12\text{m}^2 \times 0 \times 60\text{kg} = 0 \text{ kg}$$

$$12\text{m}^2 \times 0 \times 80\text{kg} = 0 \text{ kg}$$

$$12\text{m}^2 \times 0 \times 100\text{kg} = 0 \text{ kg}$$

Pukul 2:07:56

$$12\text{m}^2 \times 1,47 \times 20\text{kg} = 352,8 \text{ kg}$$

$$12\text{m}^2 \times 1,47 \times 40\text{kg} = 705,6 \text{ kg}$$

$$12\text{m}^2 \times 1,47 \times 60\text{kg} = 1058,4 \text{ kg}$$

$$12\text{m}^2 \times 1,47 \times 80\text{kg} = 1511,2 \text{ kg}$$

$$12\text{m}^2 \times 1,47 \times 100\text{kg} = 1764 \text{ kg}$$