



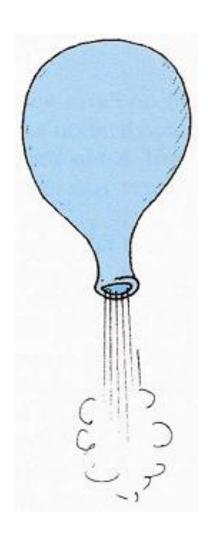
# **HUKUM NEWTON**

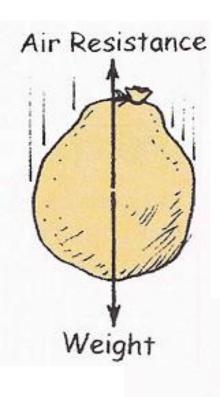
SMA KARTIKA XIX 1 BANDUNG

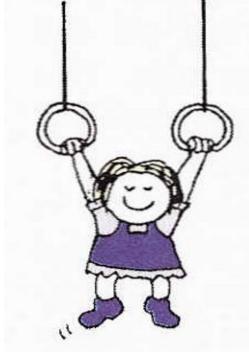
LINGKAR-2023

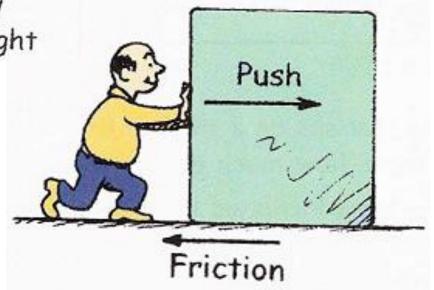
Septhy Dwi Jayanthy

# Jenis-jenis Gaya

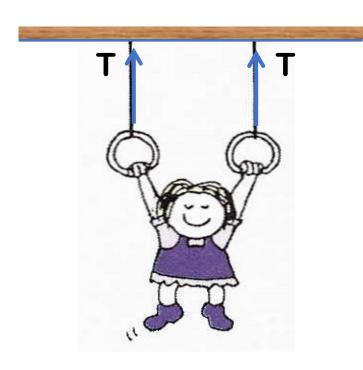








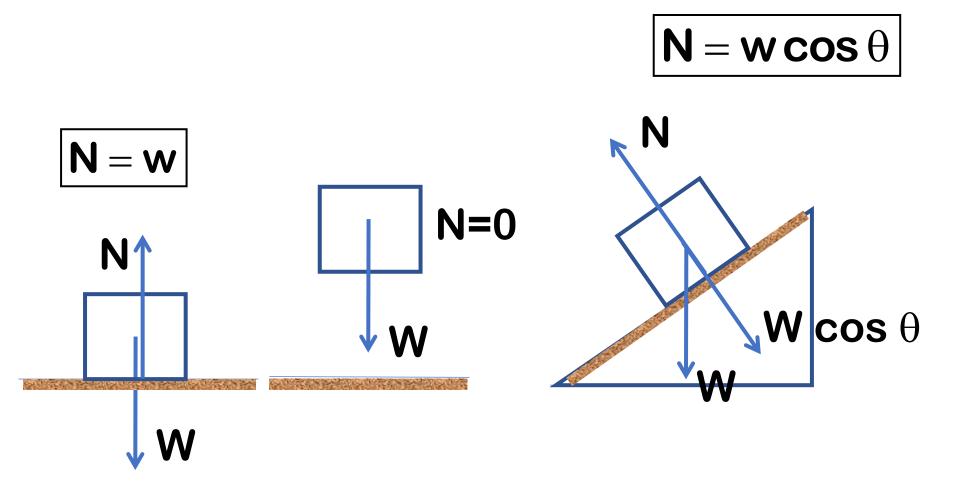
## Gaya Tegangan tali : T Gaya gesek : f





Gaya Berat: W

Gaya Normal: N

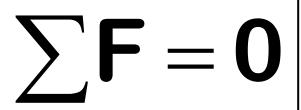


## **Hukum 1 Newton**

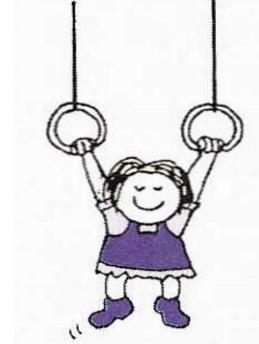
Disebut juga Hukum Kelembaman, yaitu :

"kecenderungan benda untuk mempertahankan keadaan awalnya"

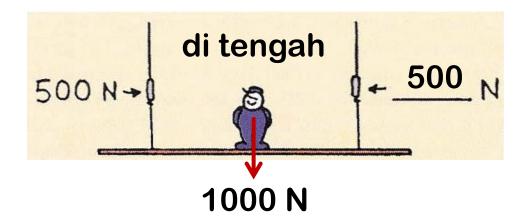
#### Dinyatakan dengan:

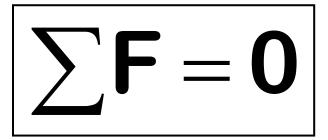


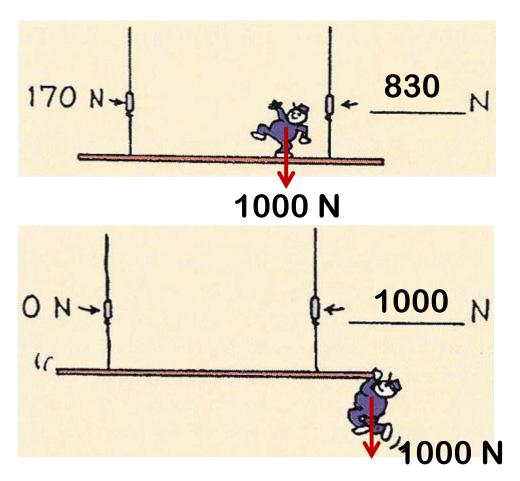
Resultan gaya yang bekerja pada suatu benda adalah nol



# Ilustrasi







### **Hukum 2 Newton**

"Percepatan pada sebuah benda sebanding dengan resultan gaya yang bekerja pada benda tersebut"

$$\sum \mathbf{F} = \mathbf{m} \cdot \mathbf{a}$$

#### Keterangan:

F = Gaya (Newton)

M = Massa (kg)

a = Percepatan (m/s^2)

## **Hukum 3 Newton**

