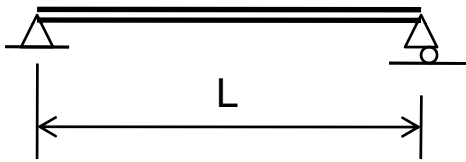
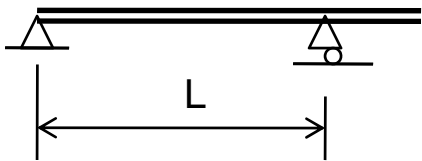


GAYA - GAYA PADA BALOK

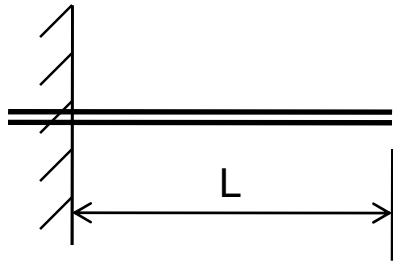
- Balok diklasifikasikan menurut cara bagaimana mereka ditumpu :
 - Balok statis tertentu (faktor yg tdk diketahui, $n = 3$), dpt diselesaikan dng metode statika biasa



Balok tertumpu sederhana ; $n = 3$



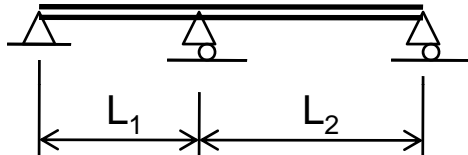
Balok menjulur ; $n = 3$



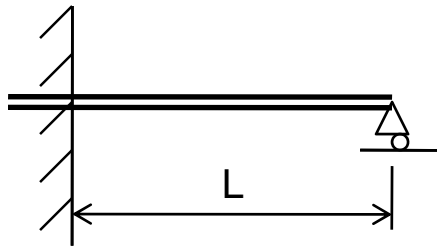
Balok kantilever (dijepit) ; $n = 3$

GAYA - GAYA PADA BALOK (lanjutan)

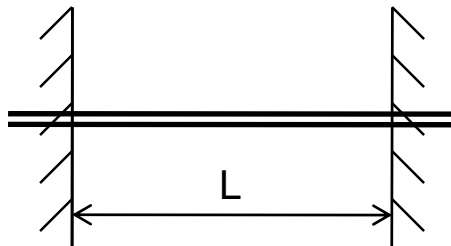
- Balok statis tak tentu (faktor yg tdk diketahui, $n > 3$), tdk dpt diselesaikan dng metode statika biasa



Balok kontinu ; $n = 4$



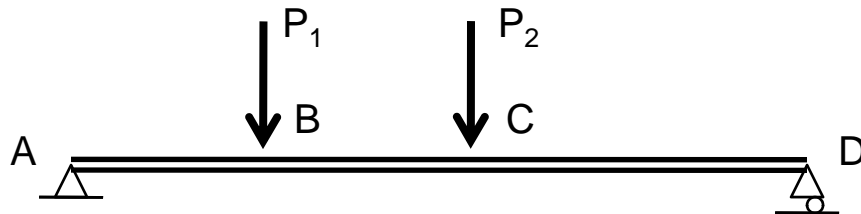
Balok dijepit & ditumpu sederhana ; $n = 4$



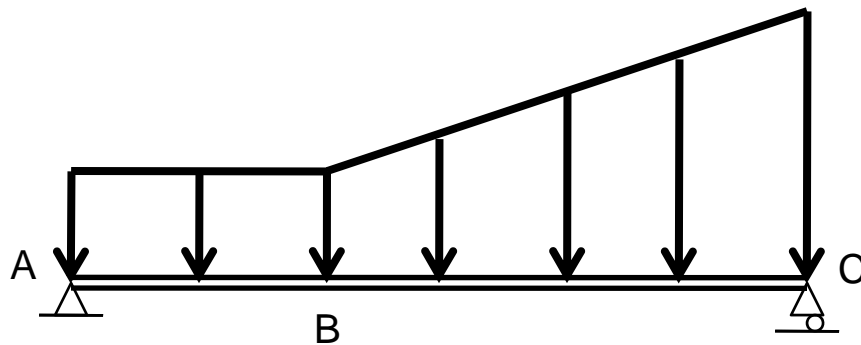
Balok dijepit dikedua ujungnya (terpancang) ; $n = 6$

Jenis Pembebanan Pada Balok

- Beban Terpusat

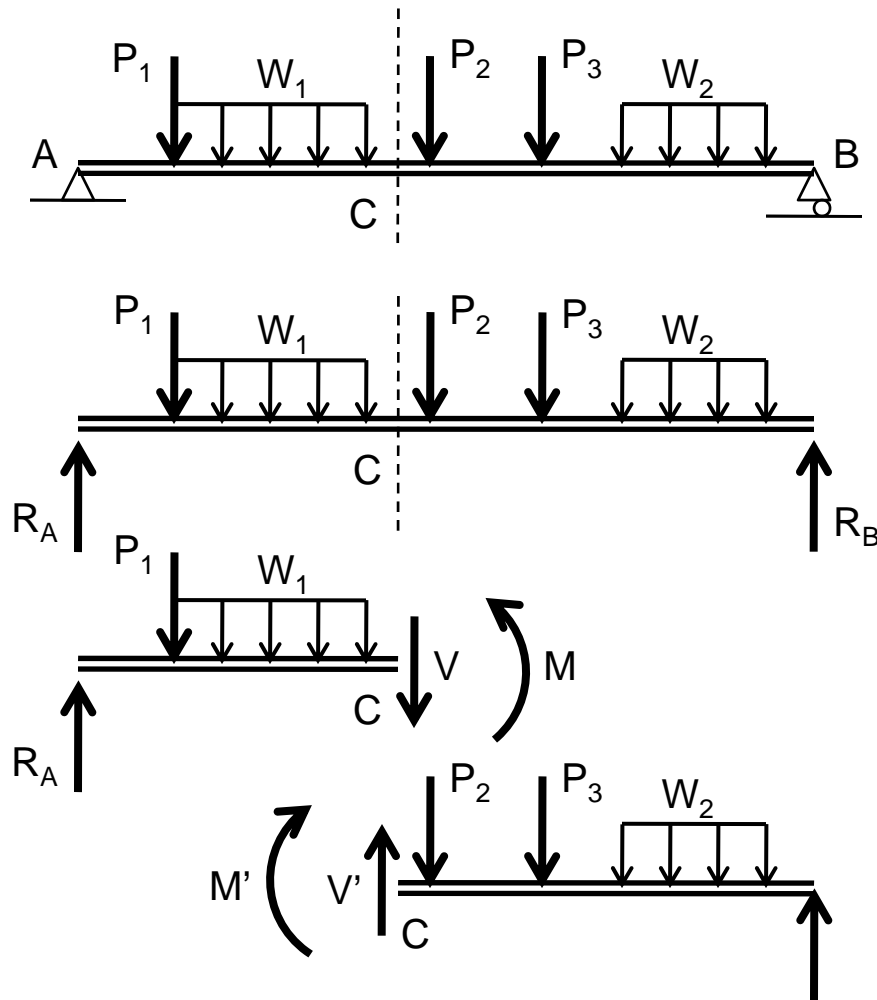


- Beban Terdistribusi



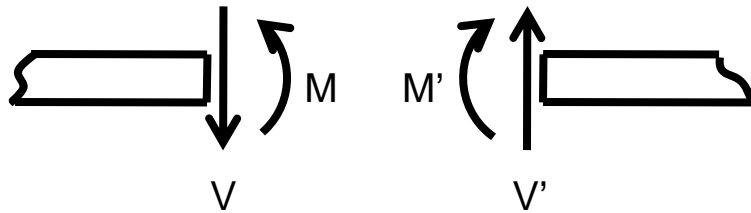
Gaya Geser & Momen Lentur Pada Balok :

- Beban terpusat & terdistribusi :

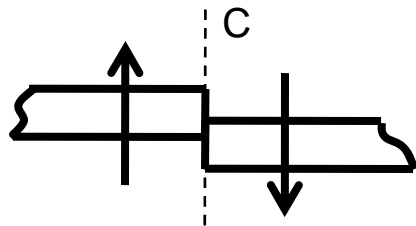


Gaya Geser & Momen Lentur Pada Balok (lanjutan) :

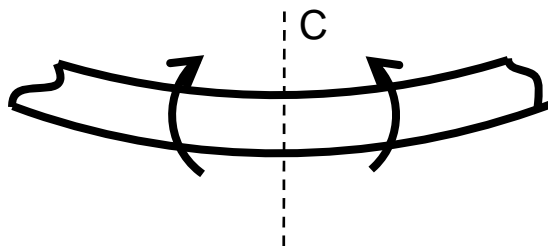
- Ketentuan tanda :



Gaya dalam bagian
(gaya geser & momen lentur positif)



Efek gaya-luar
(gaya geser positif)



Efek gaya-luar
(momen lentur positif)