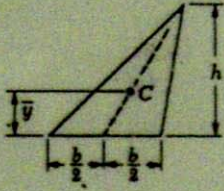
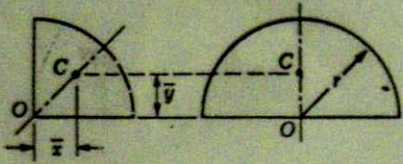
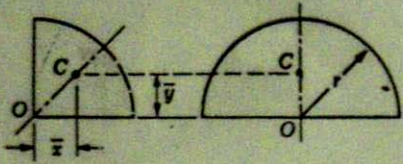
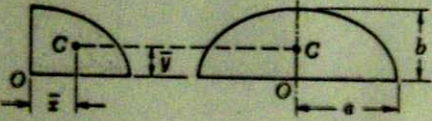
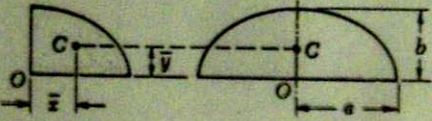
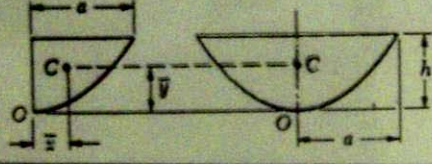
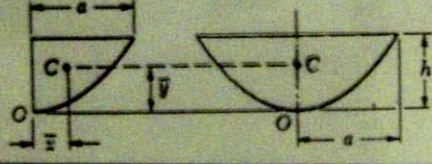
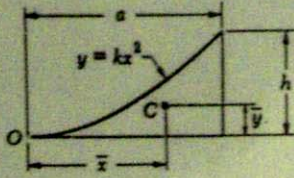


TABEL TITIK BERAT BENTUK BIDANG & GARIS YANG BIASA DIJUMPAI

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Bentuk		\bar{x}	\bar{y}	Luas
Bidang segitiga		0	$\frac{h}{3}$	$\frac{bh}{2}$
Bidang seperempat lingkaran		$\frac{4r}{3\pi}$	$\frac{4r}{3\pi}$	$\frac{\pi r^2}{4}$
Bidang setengah lingkaran		0	$\frac{4r}{3\pi}$	$\frac{\pi r^2}{2}$
Bidang seperempat eliptis		$\frac{4a}{3\pi}$	$\frac{4b}{3\pi}$	$\frac{\pi ab}{4}$
Bidang setengah eliptis			$\frac{4b}{3\pi}$	$\frac{\pi ab}{2}$
Bidang setengah parabolik		$\frac{3a}{8}$	$\frac{3h}{5}$	$\frac{2ah}{3}$
Bidang parabolik		0	$\frac{3h}{5}$	$\frac{4ah}{3}$
Spandrel parabolik		$\frac{3a}{4}$	$\frac{3h}{10}$	$\frac{ah}{3}$

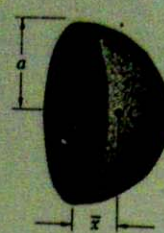
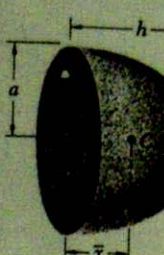
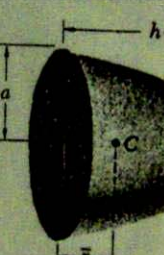

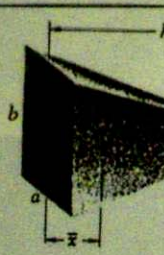
**TABEL TITIK BERAT BENTUK BIDANG & GARIS YANG BIASA DIJUMPAI
(LANJUTAN)**

Spandrel umum		$\frac{n+1}{n+2} a$	$\frac{n+1}{4n+2} h$	$\frac{ah}{n+1}$
Sektor lingkaran		$\frac{2r \sin \alpha}{3\alpha}$	0	πr^2

Bentuk		\bar{x}	\bar{y}	Panjang
Busur seperempat-lingkaran		$\frac{2r}{\pi}$	$\frac{2r}{\pi}$	$\frac{\pi r}{2}$
Busur setengah-lingkaran		0	$\frac{2r}{\pi}$	πr
Busur lingkaran		$\frac{r \sin \alpha}{\alpha}$	0	$2\alpha r$

Gambar 5.8B Titik berat bentuk garis yang biasa dijumpai.

TABEL TITIK BERAT VOLUME YANG BENTUKNYA BIASA DIJUMPAI

Bentuk		\bar{x}	Volume
Setengah-bola		$\frac{3a}{8}$	$\frac{2}{3}\pi a^3$
Setengah elipsoid putar		$\frac{3h}{8}$	$\frac{2}{3}\pi a^2 h$
Paraboloid putar		$\frac{h}{3}$	$\frac{1}{2}\pi a^2 h$
Kerucut		$\frac{h}{4}$	$\frac{1}{3}\pi a^2 h$
Piramid		$\frac{h}{4}$	$\frac{1}{3}abh$