
















## DAFTAR PERALATAN LABORATORIUM MEKANIKA FLUIDA DAN HIDROLIKA

No	Nama Alat	Kegunaan	Gambar
1	<i>Osborn Reynold</i>	Mengamati klasifikasi aliran berdasarkan pergerakan tinta	 <p>The image shows a tall, blue cylindrical apparatus used for observing flow regimes. It has a central vertical pipe with a dye injection point at the top. The apparatus is placed on a blue base in a laboratory setting.</p>
2	<i>GPS Map</i>	Menentukan koordinat	 <p>The image shows three handheld GPS devices with orange and black casings, arranged on a dark red surface. Two are standing upright, and one is lying flat in front of them.</p>
3	<i>Flow Measurement Apparatus</i>	Mengamati kehilangan tinggi tekan pada pipa, <i>orifice</i> , <i>elbow</i> , <i>venturimeter</i> , dan rotameter	 <p>The image shows a complex hydraulic apparatus with multiple vertical glass tubes and pipes connected to a central reservoir. It is used for measuring flow characteristics and head losses in various pipe configurations.</p>
4	<i>Centre of Pressure Apparatus</i>	Mengamati tekanan hidrostatik pada fluida	 <p>The image shows a white apparatus with a curved, semi-circular plate attached to a vertical support. It is used to study the center of pressure and hydrostatic pressure distribution on a curved surface.</p>
5	<i>Stability of Floating Body</i>	Mengamati stabilitas benda terapung	 <p>The image shows a black apparatus with a vertical rod and a floating body, placed inside a rectangular tank filled with water. It is used to study the stability of floating bodies.</p>
6	<i>Gravimetric Hydraulic Bench</i>	Mengamati pengaruh beban terhadap waktu pengaliran air	 <p>The image shows a grey and white apparatus consisting of a large container and a flow control mechanism. It is used to study the effect of load on the flow time of water.</p>

7	<i>Hydrostatics and Properties of Fluid Apparatus</i>	Mengamati <i>properties</i> fluida	
8	<i>Flowatch FL-03</i>	Pengukur aliran atau arus	
9	Pompa Non Otomatis	Memompa air	
10	<i>Flume 2 m, Lebar = 14,2 cm</i>	Untuk permodelan bendung	
11	<i>Flume 5 m, Lebar = 18 cm</i>	Untuk permodelan bendung	
12	<i>Flume 12 m, Lebar = 40 cm dengan tikungan</i>	Untuk permodelan bendung	
13	<i>Flume 14,6 m, Lebar = 60 cm</i>	Untuk permodelan bendung	
14	<i>Neraca Ohaus</i>	Alat untuk mengukur massa	
15	<i>Reservoir</i>	Untuk menyimpan cadangan air	

16	<i>Sediment Transport</i>	Gerakan perpindahan tempat bahan sedimen granular/non kohesif oleh aliran air	
17	<i>Hares Tube Apparatus</i>	Membandingkan massa jenis zat cair dalam dua bejana terpisah	
18	APAR	Mencegah dan memadamkan kebakaran yang masih kecil	