



Department of Mechanical
Engineering
Faculty of Industrial Technology
and Systems Engineering

STANDARD OPERATING PROCEDURE

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Head of Laboratory

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Operation Of Hydrostatic Apparatus

Laboratory : Fluid Mechanics and Machineries _____

HAZARD POTENTIALS	Fluid leaks can damage electrical equipment.
PERSONAL PROTECTIVE EQUIPMENT (PPE)	Eye protection (safety glasses, goggles). Wearpack (protective clothing). Hair protection (hair net or hat). Shoes and gloves. First aid kit
BEFORE OPERATING THE MACHINE	Ensure that the practical equipment and work area are clean, and all personal protective equipment (PPE) is worn. Sleeves must be securely rolled up. Check for any leaks in the practical equipment.
NEVER	Operate the equipment without wearing personal protective equipment (PPE). Allow fluid leaks to persist.
STEPS FOR USING THE EQUIPMENT	<ol style="list-style-type: none">1. Set the water level in the glass vessel to an initial height of 10 cm from the bottom of the test object.2. Adjust the water level by opening the glass vessel faucet.3. Adjust the position of the load to ensure the test object returns to a horizontal position.4. Lower the water surface height by 0.5 cm.5. Record the load position (r) relative to the water height (h) on the data sheet.6. Repeat the experiment, lowering the water level in 0.5 cm intervals until it reaches 0 cm from the bottom of the test object.
AFTER USE	Release any trapped air from the equipment. Check and clean the equipment and work area.