Summary Specification			
BIL. SEBUTHARGA/QUOTATION RE		**UBD/Q/181/2024 (FOS) - [G]**	
TARIKH DIIKLANKAN :	**08 Oktober 2024 [Selasa]**		
TARIKH TUTUP :	**22 Oktober 2024 [Selasa]**	JAM: 2 Petang	
	DOCUMENT FEE :		B$ 10.00

IMPORTANT

The Official PDF quotation/tender form will be send via email once UBD Official receipt issued and send to vendors/supplier for confirmation of payment received.

Mode of Payments > REFER IN UBD WEBSITE

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Important Note: Please ensure that you provide the correct details when making the payment.

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TITLE :		**TO SUPPLY AND DELIVER HANDHELD PHOTOSYNTHESIS SYSTEM FOR FACULTY OF SCIENCE, ENVIRONMENTAL AND LIFE SCIENCES UNIVERSITI BRUNEI DARUSSALAM**
No.	**Quantity**	**Descriptions**
1	1 SET	Specifications for Handheld Photosynthesis System • It must be a lightweight and compact handheld photosynthesis tool that measures photosynthesis, transpiration, stomatal conductance, Photosynthetically Active Radiation (PAR), and internal CO2 levels. • The system should weigh less than 2 kg, including the battery, as it will be used in the field and greenhouse environments. Display, Data Storage and Data Output • The device features an LCD display to showcase readings. • Includes a minimum of 4MB internal flash RAM for data storage. • Data output will be facilitated via USB. Performance Specifications • Pump flow rate: 100 cm^3/min to 1000 cm^3/min • Operating temperature: 0 °C to 45 °C • Operating relative humidity (RH): 0% to 90% RH, non-condensing Power Supply • The system should support at least 5 hours of continuous use. For extended use, additional batteries will be provided. • An AC adapter/battery charger must be included. • The battery should be a 7.2 V rechargeable Li-ion type.
		Warm-up Time • The warm-up time should be less than 5 minutes, ensuring stable analysis for accurate measurements in field and greenhouse settings. Modular Expandability • The basic handheld photosynthesis system should offer the opportunity to add optional accessory modules, enabling researchers to control CO2, H2O, temperature, and light intensity. • It should also offer additional attachments that measure chlorophyll fluorescence and soil respiration and accommodate various leaf sizes using customized leaf chambers.