

**SERVICE RATE OF EQUIPMENT/TEST
INSTITUTE OF TROPICAL AGRICULTURE AND FOOD SECURITY (ITAFoS) UNIVERSITI PUTRA MALAYSIA SELANGOR DARUL EHSAN**

NO	EQUIPMENT / TEST AVAILABLE	UNIT CHARGE	RINGGIT MALAYSIA (RM)				PERSON-IN-CHARGE (P.I.C.)	CONTACT NO.	EMAIL	LAB
			ITAFoS	UPM	OTHER IPTA/IPTS	AGENCY/ INDUSTRY				
S1	Climatic Chamber	Per Chamber Per Day	4.40	6.60	8.80	11.00	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S2	Open House System	Per Pen Per Day	1.00	1.20	1.40	1.60	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S3	Closed House System	Per Pen Per Day	1.90	2.90	3.80	4.80	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S4	Reban Ayam Stainless Steel	Per Cage Per Day	1.00	1.20	1.40	1.60	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S5	Kandang Lembu (Individual Pen)	Per Pen Per Day	1.20	1.40	1.70	1.90	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S6	Kandang Lembu (Group Pen)	Per Pen Per Day	4.80	5.80	6.70	7.70	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S7	Kandang Kambing (Individual Pen)	Per Pen Per Day	1.00	1.20	1.40	1.60	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S8	Kandang Kambing (Group Pen)	Per Pen Per Day	4.00	4.80	5.60	6.40	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
S9	Cold Room L10' x W10' x H10'	Per Sq. Ft. Per Month	30.00	36.00	42.00	48.00	Ummi Kalthum Abdullah (Science Officer)	+603-8947 1171	ummi_k@upm.edu.my	Insect and Disease Management Lab
S10	TPU Glasshouse	Per GH Per Day	4.50	5.40	6.30	7.20	Muhammad Adzan Mastor (Asst. Agriculture Officer)	+603-8947 1292	m_adzan@upm.edu.my	Plant Physiology Lab II (TPU)

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P1	Pelletizer	Per Tonne	200.00	240.00	280.00	320.00	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
P2	Extruder	Per Tonne	200.00	240.00	280.00	320.00	Eddy Shahriza Jamein (Agriculture Officer)	+603-8947 1141	shahriza@upm.edu.my	Animal Research Centre
P3	Bomb Calorimeter (IKA C2000)	Per Sample (With Wire)	10.00	12.00	14.00	16.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P4		Per Sample (W/out Wire)	5.00	6.00	7.00	8.00				
P5	Protein Analysis System (FOSS)	Per Run (16 tubes)	40.00	48.00	56.00	64.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P6		Per Tube	3.00	3.60	4.20	4.80	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P7	Fat Analysis System (FOSS)	Per Run (6 tubes)	15.00	18.00	21.00	24.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P8		Per Tube	3.00	3.60	4.20	4.80	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P9	Fiber Analysis System (FOSS)	Per Run (6 tubes)	15.00	18.00	21.00	24.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P10		Per Tube	3.00	3.60	4.20	4.80	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P11	High Performance Liquid Chromatography (HPLC) (Water, Fluorescent, RI, PDA - Auto Sampler)	Per Day	100.00	120.00	140.00	160.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P12	Freeze Dryer (LABCONCO)	Per Day	20.00	24.00	28.00	32.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P13	CO2 Incubator (Galaxy R)	Per Day	30.00	36.00	42.00	48.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab

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P14	Photosynthesis Equipment (Li-Cor/6400-08/USA)	Per Half Day	230.00	276.00	322.00	368.00	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Soil and Plant Nutrition Lab
P15	Real-Time PCR (BIO-RAD)	Per Run	38.00	45.60	53.20	60.80	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Animal Production Lab
P16		Per Run	38.00	45.60	53.20	60.80	Nik Amelia Nik Mustapha (Science Officer)	+603-8947 1175	nik_emelia@upm.edu.my	Molecular and Food Crops lab
P17	Test Method 1 : Detemination of Methylmercury in Fish and Fish Product by LC-ICPMS	Per Sample	750.00	900.00	1050.00	1200.00	Umami Kalthum Abdullah (Science Officer)	+603-8947 1171	ummi_k@upm.edu.my	LC-ICPMS Room
P18	Test Method 2 : Determination of Heavy Metal in Water and Wastewater by ICP-MS	Per Element Per Sample	50.00	60.00	70.00	80.00	Umami Kalthum Abdullah (Science Officer)	+603-8947 1171	ummi_k@upm.edu.my	LC-ICPMS Room