



SENARAI PERALATAN, LOKASI & PEGAWAI BERTANGGUNGJAWAB (OPERASI)
Instrument List, Location and Responsible Officer (Operator)

MAKLUMAN UMUM

Semua alatan didalam senarai adalah dibawah tanggungjawab pegawai 1 & 2. Oleh itu, sekiranya terdapat pertanyaan berkenaan alatan, pengguna hendaklah menghubungi pegawai yang telah ditetapkan. Status alatan bergantung kepada keadaan semasa alatan sama ada boleh digunakan ataupun dalam proses penyelenggaraan.

The entire instrument list is under responsibility of officers 1 & 2. Therefore, if there are request regarding the instrument, the user must contact the designated officer. The status of instrument is depends on the status of the current situation either can be used or under maintenance process.

| Bil | Peralatan Makmal | Pegawai Bertanggungjawab 1 | Pegawai Bertanggungjawab 2 | Lokasi | No Untuk Dihubungi |
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| 1 | Flourescence Spectrometer | En. Syamsul Kamar Muhamad @ Wahab | En. Muhamad Izuan Mohd Safawi | FST-A1-019 | 06-7986549 |
| 2 | UV Visible Near Infrared Spectrometer (Double Beam) | En. Syamsul Kamar Muhamad @ Wahab | Puan Siti Nabilah Mohd Rusly | FST-A1-022 | 06-7986549 |
| 3 | Fourier Transform Infrared Spectroscopy | En. Syamsul Kamar Muhamad @ Wahab | En. Hassan Azhari Yunos | FST-A1-021 | 06-7986548 |
| 4 | UV Visible Spectrometer (Single Beam) | En. Syamsul Kamar Muhamad @ Wahab | Puan Rina Wahap | FST-A1-022 | 06-7986547 |
| 5 | Atomic Absorption Spectroscopy | En. Syamsul Kamar Muhamad @ Wahab | En. Mohd Zulkiflee Bin Mohd Zain | FST-A1-023 | 06-7988545 |
| 6 | Spray Dryer | En. Hassan Azhari Yunos | Puan Rina Wahap | FST-A1-077 | 06-7986547 |
| 7 | Blast Freezer | En. Hassan Azhari Yunos | Puan Rina Wahap | FST-A1-075 | 06-7986547 |
| 8 | Freeze Dryer (Eyela) | En. Hassan Azhari Yunos | Puan Rina Wahap | FST-A1-077 | 06-7986547 |
| 9 | Microwave Digestion System (For AAS Sample Preparation) | En. Syamsul Kamar Muhamad @ Wahab | En. Mohd Zulkiflee Bin Mohd Zain | FST-A1-022 | 06-7988545 |
| 10 | Micro Visco Amylograph (Brabender) | Pn. Ainida Fauzi | En. Muhammad Izzat Bin Redzuwan | FST-A1-082 | 06-7986550 |
| 11 | Thermal Cycler (Conventional PCR) | En. Firdhaus Mohd Haflah | Cik Sarina Irma Saidon | FST-A3-053 | 06-7986515 |
| 12 | Gel Documentation System | En. Firdhaus Mohd Haflah | Cik Sarina Irma Saidon | FST-A3-030 | 06-7986515 |
| 13 | ELISA System | En. Firdhaus Mohd Haflah | En. Muhammad Izzat Bin Redzuwan | FST-A3-030 | 06-7986515 |
| 14 | Plant Tissue Culture Chamber | En. Firdhaus Mohd Haflah | Puan Siti Nabilah Mohd Rusly | FST-A3-030 | 06-7986515 |
| 15 | Inverted Microscope (Olympus) | En. Firdhaus Mohd Haflah | Cik Sarina Irma Saidon | FST-A3-030 | 06-7986515 |
| 16 | Trinocular Research Microscope (Nikon) | En. Firdhaus Mohd Haflah | En. Muhammad Izzat Bin Redzuwan | FST-A3-030 | 06-7986515 |
| 17 | Bioreactor System (2L) | En. Firdhaus Mohd Haflah | Puan Siti Nabilah Mohd Rusly | FST-A3-050 | 06-7986515 |
| 18 | Freeze Dryer (Labconco) | En. Firdhaus Mohd Haflah | En. Muhammad Izzat Bin Redzuwan | FST-A3-053 | 06-7986515 |

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| 19 | Bench-Top (Multi Purpose Refrigerated Centrifuge Comb1514R) | En. Firdhaus Mohd Hafiah | En. Muhammad Izzat Bin Redzuwan | FST-A3-053 | 06-7986515 |
| 20 | Centrifuge (Eppendorf) | En. Firdhaus Mohd Hafiah | En. Muhammad Izzat Bin Redzuwan | FST-A3-053 | 06-7986515 |
| 21 | Crude Fibre System (Gerhardt) | En. Syamsul Kamar Muhamad @ Wahab | Puan Normah Haron | FST-A4-017 | 06-7986517 |
| 22 | Protein Distillation & Titration (Buchi) | En. Syamsul Kamar Muhamad @ Wahab | Puan Normah Haron | FST-A4-017 | 06-7986517 |
| 23 | Fat Extration Unit (Gerhardt) | En. Syamsul Kamar Muhamad @ Wahab | Puan Normah Haron | FST-A4-017 | 06-7986517 |
| 24 | Digestion system (Kjeldatherm-Digestion) | En. Syamsul Kamar Muhamad @ Wahab | Puan Normah Haron | FST-A4-017 | 06-7986517 |
| 25 | Furnace Oven (Carbolite) | En. Syamsul Kamar Muhamad @ Wahab | Puan Normah Haron | FST-A4-043 | 06-7986517 |
| 26 | Moisture Analyzer | Puan Norhafiza Abd Ghafar | Puan Normah Haron | FST-A4-017 | 06-7986517 |
| 27 | Rheometer (Thermofisher Scientific) | Puan Norhafiza Abd Ghafar | En. Muhammad Izzat Bin Redzuwan | FST-A4-046 | 06-7986517 |
| 28 | Colorimeter (Hunterlab Color Spectrophotometer System) | Puan Norhafiza Abd Ghafar | Puan Normah Haron | FST-A4-046 | 06-7986517 |
| 29 | Texture Analyzer TA.XT-Plus | Puan Norhafiza Abd Ghafar | Puan Normah Haron | FST-A4-046 | 06-7986517 |
| 30 | Rancimat Oil Stability Analyzer (Metrohm) | Puan Norhafiza Abd Ghafar | Puan Normah Haron | FST-A4-017 | 06-7986517 |
| 31 | High Performance Liquid Chromatography (HPLC) | Puan Norhafiza Abd Ghafar | Puan Normah Haron | FST-A4-043 | 06-7986517 |
| 32 | Ultra High Performance Liquid Chromatography (Agilent Technologies) UHPLC | Puan Norhafiza Abd Ghafar | Puan Normah Haron | FST-A4-043 | 06-7986517 |
| 33 | Rotary Evaporator (Eyela) | Puan Norhafiza Abd Ghafar | Puan Normah Haron | FST-A4-043 | 06-7986517 |
| 34 | Bomb Calorimeter | En. Syamsul Kamar Muhamad @ Wahab | En. Mohd Nazarali Bin Ali | FST-A5-082 | 06-7986559 |
| 35 | GC-FID | En. Syamsul Kamar Muhamad @ Wahab | En. Mohd Nazarali Bin Ali | FST-A5-085 | 06-7986560 |
| 36 | Gas Chromatography Mass Spectrometry (GC MS QQQ) | En. Syamsul Kamar Muhamad @ Wahab | Puan Siti Aminah Pa Chu Adek | FST-A5-085 | 06-7986522 |
| 37 | Autotitrator | En. Syamsul Kamar Muhamad @ Wahab | En. Mohd Nazarali Bin Ali | FST-A5-082 | 06-7986560 |
| 38 | Furnace | En. Mohd Nazarali Bin Ali | En. Muhamad Izuan Mohd Safawi | FST-A5-082 | 06-7986560 |
| 39 | Slip Melting Point | En. Mohd Nazarali Bin Ali | En. Muhamad Izuan Mohd Safawi | FST-A5-082 | 06-7986560 |
| 40 | Centrifuge (Beckman Coulter) | En. Mohd Nazarali Bin Ali | En. Muhamad Izuan Mohd Safawi | FST-A5-082 | 06-7986560 |
| 41 | Rotary Evaporator (Buchi) | En. Mohd Nazarali Bin Ali | En. Muhamad Izuan Mohd Safawi | FST-A5-082 | 06-7986560 |
| 42 | Universal Testing Machine | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | SM A1-002 | 06-7987045 |
| 43 | Brabender Internal Mixer | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | SM A1-006 | 06-7987045 |
| 44 | Thermogravimetric Analyzer (TGA) | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987045 |
| 45 | Pendulum Impact Tester (Ceast) | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987045 |
| 46 | Differential Scanning Calorimetry (DSC) | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987045 |

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| 47 | Opticystem Software | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987045 |
| 48 | Hot Press Machine | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987046 |
| 49 | Impact Testing Machine | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987047 |
| 50 | Notch Machine | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987048 |
| 51 | Hight Batory Testing/Charger | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987049 |
| 52 | Electrochemical Measurement System | En. Mohd Zulkiflee Bin Mohd Zain | En.Wan Shahrol Aznor Wan Osman | FST - MPG Tamhidi | 06-7987050 |
| 53 | Digital Storage Oscilloscope | En. Mohd Zulkiflee Bin Mohd Zain | Puan Siti Shazwani Mohd Noor | FST - MPG Tamhidi | 06-7986805 |
| 54 | Photometric Law of Distance | En. Mohd Zulkiflee Bin Mohd Zain | Puan Siti Shazwani Mohd Noor | FST - MPG Tamhidi | 06-7986806 |
| 55 | SDH Analyzer | En. Mohd Zulkiflee Bin Mohd Zain | Puan Siti Shazwani Mohd Noor | FST - MPG Tamhidi | 06-7986807 |
| 56 | Variable Optical Attenuators | En. Mohd Zulkiflee Bin Mohd Zain | Puan Siti Shazwani Mohd Noor | FST - MPG Tamhidi | 06-7986808 |
| 57 | Optical Time Domain Reflectometer (OTDR) | En. Mohd Zulkiflee Bin Mohd Zain | Puan Siti Shazwani Mohd Noor | FST - MPG Tamhidi | 06-7986809 |
| 58 | Fiber to the Home (FTTH) | En. Mohd Zulkiflee Bin Mohd Zain | Puan Siti Shazwani Mohd Noor | FST - MPG Tamhidi | 06-7986810 |