

- 1 A COLUMN STUDY ON THE EFFICIENCY AND REUSABILITY OF KAPOK FIBRE IN CAR WASH WASTEWATER TREATMENT.
- 2 A STUDY ON SCHEDULED WASTE AT THE LABORATORY OF UTHM PAGOH CAMPUS.
- 3 A STUDY ON THE CHARACTERISTICS OF KELULUT HONEY'S BYPRODUCT FOR THE POTENTIAL APPLICATION IN FOOD INDUSTRY.
- 4 A STUDY ON UTHM BIODIESEL PLANT : EFFECT OF DIFFERENT MIXTURE RATIO OF BIODIESEL TO THE PIPELINE PERFORMANCE.
- 5 ACTIVITY OF ENZYME BIO ACTIVATOR FOR PALM OIL MILL EFFLUENT (POME) TREATMENT UNDER DIFFERENT ENZYME RATIO AND DOSING.
- 6 ADSORPTION STUDY TEXTILE DYE EFFLUENT BY USING MIXTURE OF NANOCRYSTALLINE CELLULOSE AND EGGSHELL POWDER ADSORBENTS.
- 7 AEROBIC GRANULAR SLUDGE SUPPLEMENTED WITH PALM FROND BIO-CHAR IN SEQUENCE BATCH REACTOR.
- 8 AERODYNAMIC ANALYSIS ON THE EFFECT OF DIFFERENT TYPE OF TRAIN'S NOSE DESIGN USING ANSYS SOFTWARE.
- 9 AMMONIA REMOVAL IN SURFACE WATER BY USING LANDSCAPE WASTE ADSORBENT.
- 10 ANALYSIS OF SPRAY CHARACTERISTICS AND FORMATION IN DIFFERENT INJECTION PRESSURE IN A CONSTANT VOLUME CHAMBER BY USING COMPUTATIONAL FLUID DYNAMICS.
- 11 ANALYSIS OF SPRAY CHARACTERISTICS IN DIFFERENT AMBIENT TEMPERATURE IN A CONSTANT VOLUME CHAMBER BY USING COMPUTATIONAL FLUID DYNAMICS.
- 12 ANALYSIS OF THE EXHAUST EMISSION FROM VEHICLE FUELED WITH GASOLINE.
- 13 ANTIOXIDANT ACTIVITY OF ANDROGRAPHIS PANICULATA (HEMPEDU BUMI) AND COSMOS CAUDATUS (ULAM RAJA) N HOMEMADE BREAD.

- 14 ANTIOXIDANT AND ANTI-INFLAMMATORY EFFECTS OF CINNAMOMUM ZEYLANICUM AND ITS POTENTIAL AS NATURAL FOOD PRESERVATIVES.
- 15 AUTO-DRIVE RESCUING BOAT.
- 16 AUTOMATED FLOOR CLEANING ROBOT.
- 17 BENCHMARKING OF DIMENSIONAL ACCURACY, SURFACE ROUGHNESS AND MORPHOLOGY FOR DESKTOP STEREOLITHOGRAPHY 3D PRINTING MATERIAL.
- 18 CATALYTIC CONVERSION OF SYNTHETIC SULFUR-POLLUTANTS IN PETROLEUM FRACTIONS (THIOPHENE) UNDER DIFFERENT PHOTOCATALYST LOADINGS AND INITIAL CONCENTRATIONS.
- 19 CHARACTERISATION OF EXTRACTED ASYSTASIA GANGETICA: TOTAL PHENOLIC CONTENT, ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES.
- 20 CHARACTERISATION OF EXTRACTED PHYLLANTHUS NIRURI: TOTAL PHENOLIC CONTENT, ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES.
- 21 CHARACTERISATION OF SILICONE DIELECTRIC ELASTOMER WITH INCORPORATION OF DIFFERENT TYPES OF FILLERS AS NETWORK REINFORCING AGENTS TO BE UTILISED IN WAVE ENERGY HARVESTER.
- 22 CHARACTERISTIC OF OXIDE LAYER FORMED ON THE ALUMINIUM ALLOY (ADC12) DURING IN-SITU MELTING.
- 23 CHARACTERIZATION OF ACOUSTIC POWER OF FILTER SUPPORTER IN VACUUM CLEANER.
- 24 CHARACTERIZATION OF SOIL PROPERTIES INFLUENCE TO THE CORROSION OF THE UNDERGROUND PIPELINE.
- 25 COMPARATIVE STUDY ON MICRONSIZED AND NANOSIZED CARICA PAPAYA SEED MODIFIED PULLULAN AS BIOCOAGULANT IN WASTEWATER TREATMENT.
- 26 COMPARATIVE STUDY ON THERMAL AND MECHANICAL PROPERTIES OF MICRONSIZED AND NANOSIZED CARICA PAPAYA SEED MODIFIED PULLULAN.

- 27 COMPARISON OF HEMODYNAMIC PERFORMANCES BETWEEN THE COMMERCIAL AVAILABLE STENTS DESIGN ON STENOSED FEMOROPLOPLITEAL ARTERY.
- 28 COMPOSTING OF LANDSCAPE WASTE WITH THE ADDITION OF FOOD WASTE.
- 29 COST REDUCTION OF ELECTRIC TOASTER MACHINE USING DESIGN FOR MANUFACTURE AND ASSEMBLY (DFMA).
- 30 DESIGN & SIMULATION OF MULTIPURPOSE STAIR-CLIMBER TROLLEY FOR CLEANER AT PAGOH RESIDENTIAL COLLEGE, UTHM.
- 31 DESIGN AND DEVELOP LOW-COST NOTE RECOGNITION SYSTEM IN SELF-DESIGNED NOTE ACCEPTOR PROTOTYPE FOR VENDING MACHINE.
- 32 DESIGN AND DEVELOPMENT OF TRASH TRAP OF STREAM FOR MINI HYDRO AT TANJUNG PIAI NATIONAL PARK.
- 33 DESIGN AND IMPLEMENTATION OF DIGITAL MAP USING OPENSTREETMAP SOFTWARE.
- 34 DESIGN IMPROVEMENT OF AUDITORIUM SEATING: A CASE STUDY AT PAGOH EDUCATION HUB.
- 35 DESIGN IMPROVEMENT OF COOKING OVEN BY USING BOOTHROYD DEWHURST DESIGN FOR MANUFACTURE AND ASSEMBLY (DFMA) APPROACH.
- 36 DESIGN IMPROVEMENT OF MINI REFRIGERATOR USING DFMA ANALYSIS.
- 37 DESIGN OF GREEN NOISE BARRIER BY USING PINEAPPLE LEAF FIBER.
- 38 DESIGN OF MANUAL MATERIAL HANDLING EQUIPMENT AT SHARED FACILITIES LIBRARY, EDU HUB PAGOH.
- 39 DEVELOPMENT OF AUTONOMOUS VACUUM CLEANER FOR HOUSEHOLD APPLICATION.

- 40 DEVELOPMENT OF ERGONOMIC AUTOMATED CLOTHES FOLDING MACHINE.
- 41 DEVELOPMENT OF INTEGRATED MINI SORTING AND SEGREGATING PRODUCTION LINES SYSTEM.
- 42 DEVELOPMENT OF ISOMETRICAL 3-FINGER UNDERACTUATED ROBOT GRIPPER.
- 43 DEVELOPMENT OF MOBILE WALLET APPLICATION PROTOTYPE FOR CASHLESS TRANSACTION.
- 44 DEVELOPMENT OF OBJECT DETECTION FUNCTION FOR SELF-DRIVING CAR APPLICATION.
- 45 DEVELOPMENT OF POLYETHERSULFONE (PES) MEMBRANE BLENDED WITH POLYETHYLENE GLYCOL (PEG) FOR THE REMOVAL OF DYE FROM TEXTILE WASTEWATER.
- 46 DEVELOPMENT OF POLYETHERSULFONE(PES)/ XANTHAN GUM (XG) BLENDED MEMBRANE IN INDUSTRIAL WASTEWATER TREATMENT.
- 47 DEVELOPMENT OF TRASH SORTER USING DELTA ROBOT.
- 48 DRINKING WATER ASSESSMENT THROUGH TAP WATER IN UTHM PAGOH CAMPUS STUDENT RESIDENTIAL COLLEGE.
- 49 ECO-COMPOSTER TO ACCELERATE THE DECOMPOSITION OF FOOD WASTE WITHOUT CONTROLLING TEMPERATURE, MOISTURE CONTENT AND PH.
- 50 ECO-INTERLOCKING PAVING BLOCK (ECO-IPB) BY USING PLASTIC LDPE/SAND BLENDS.
- 51 EFFECTS OF WINDER SPEED VARIATION ON PRODUCTION OF HIGH DENSITY POLYETHYLENE PLASTIC BAG.
- 52 ELECTRICAL-FIELD ACTIVATED SINTERING AND FORMING OF TITANIUM NITRIDE MICRO-COMPONENTS.

- 53 ENHANCEMENT OF POLYETHERSULFONE (PES) MEMBRANE PERFORMANCE BY MODIFICATION WITH RICE HUSK IN TREATING INDUSTRIAL WASTEWATER.
- 54 ENHANCEMENT OF POLYVINYL ALCOHOL/COLLAGEN HYDROGEL WITH ADDED OF HALLOYSITE NANOTUBES AS POTENTIAL IN WOUND HEALING APPLICATION.
- 55 EVALUATION OF ENVIRONMENTAL PERFORMANCE IN UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM) PAGOH CAMPUS BY INDOOR ENVIRONMENTAL QUALITY (IEQ).
- 56 EVALUATION OF SOAKED AND UNSOAKED CBR VALUES OF REINFORCED-SOIL WITH COCONUT HUSK FIBRE.
- 57 FACILITY LAYOUT IMPROVEMENT AT ERUL FOOD INDUSTRY: A SIMULATION.
- 58 FACILITY MANAGEMENT IN PRIVATE FINANCE INITIATIVE (PFI) PROJECT IN UTHM PAGOH CAMPUS.
- 59 FLOE CHARACTERISTICS IN DIFFERENT FEMOROPOPLITEAL ARTERY MORPHOLOGIES.
- 60 FUEL ECONOMY IMPROVEMENT STRATEGIES OF A PASSENGER CAR TOWARDS LOW CARBON EMISSION VEHICLE BY USING 1-D SIMULATION CYCLE.
- 61 GEAR RATIO OPTIMIZATION OF A MANUAL TRANSMISSION FOR PASSENGER VEHICLE TOWARDS LOW CARBON EMISSION USING 1D SIMULATION CYCLE & STATISTICAL ANALYSIS.
- 62 GEO-ENGINEERED DREDGED MARINE SEDIMENTS VIA INDUCED CONSOLIDATION AND HEAT TREATMENT FOR RECLAMATION WORKS.
- 63 GREEN BUILDING EVALUATION USING GREEN BUILDING APPLICATION SOFTWARE: A CASE STUDY IN AMANJAYA SPECIALIST HOSPITAL.
- 64 HARDWARE AND POWER DISTRIBUTION DESIGN FOR CAN-SIZED SATELLITE SYSTEM.
- 65 HIGH-RISE BUILDING INSPECTION BY USING UNMANNED AERIAL VEHICLE (UAV).

- 66 IMPROVEMENT OF BITUMEN COATING PERFORMANCE WITH WATERBORNE POLYURETHANE ADDITIVES AGAINST CORROSION.
- 67 INVESTIGATION OF DRY TURNING PERFORMANCE FOR AISI 4340 ON THE DIMENSIONAL ACCURACY AND SURFACE QUALITY.
- 68 INVESTIGATION OF IGNITION DELAY BETWEEN STANDARD DIESEL AND CRUDE PALM OIL BIODIESEL USING RAPID COMPRESSION MACHINE.
- 69 INVESTIGATION ON OXYGEN CONTENT IN CAR CABIN ON DIFFERENT SITUATIONS.
- 70 INVESTIGATION ON THE EFFECTS OF PLASTICITY AND BIODEGRADABILITY OF BIOPLASTICS BASED ON TAPIOCA STARCH WITH PALM OIL AS PLASTICIZER FOR CAR'S INTERIOR PROTECTIVE FILM.
- 71 IOT BASED TRAFFIC AWARENESS SYSTEM FOR RESIDENTIAL AREA.
- 72 LANDSCAPE WASTE COMPOST WITH AID OF EFFECTIVE MICROORGANISMS.
- 73 LOW NOISE AMPLIFIER DESIGN FOR DIGITAL TELEVISION (DTV) RECEIVER.
- 74 MANAGING ELECTRONIC DEVICES WITH ANDROID PHONE USING VOICE CONTROL.
- 75 MECHANICAL AND PHYSICAL PROPERTIES OF DESKTOP STEREOLITHOGRAPHY 3D PRINTING MATERIAL.
- 76 MECHANICAL PROPERTIES OF CONCRETE CONTAINING EXPANDED POLYSTYRENE (EPS) AND PALM OIL FUEL ASH (POFA) AS REPLACEMENT MATERIAL.
- 77 MINI XY PLOTTER PEN DRAWING ROBOT MACHINE (CNC PLOTTER DRAWBOT).
- 78 NOISE REDUCTION ANALYSIS OF VACUUM CLEANER EXHAUST FILTER COVER BY DIFFERENT HOLE SHAPE DESIGN.

- 79 ONBOARD COMPUTING DESIGN FOR CAN-SIZED SATELLITE (CANSAT) SYSTEM.
- 80 PAGOH CAMPUS BUS MONITORING SYSTEM.
- 81 PALM OIL MILL SECONDARY EFFLUENT (POMSE) TREATMENT VIA PHOTOCATALYTIC DEGRADATION PROCESS.
- 82 PARTIULATE MATTER (PM10) AND TOTAL SUSPENDED PARTICULATE (TSP) CONCENTRATION IN AMBIENT AIR AT UTHM PAGOH CAMPUS' RESIDENTIAL COLLEGE AND TEACHING FACTORY.
- 83 PENGGUNAAN GETAH BITUMEN SEBAGAI BAHAN PENGIKAT DALAM LAPISAN HAUS TURAPAN JALAN MUDAH LENTUR.
- 84 PERFORMANCE OF AEROBIC GRANULAR SLUDGE SYSTEM SUPPLEMENTED WITH PALM FROND BIOCHAR AT DIFFERENT CONCENTRATION OF SYNTHETIC WASTEWATER.
- 85 PERFORMANCE OF INNOVATIVE GEO-COMPOSITE MAT (GCM) AS A SOIL REINFORCEMENT FOR ROAD CONSTRUCTION.
- 86 PHOTOCATALYTIC DEGRADATION OF SYNTHETIC SULFUR-POLLUTANTS IN PETROLEUM FRACTIONS UNDER DIFFERENT PH AND PHOTACATALYSTS.
- 87 PHOTODEGRADATION OF DIFFERENT WASTEWATER USING MODIFIED FIBROUS SILICA (KCC-1) CATALYST UNDER DIFFERENT DURATION TIME.
- 88 POLYVINYL ALCOHOL BASED HYDROGEL ENHANCED WITH PECTIN AND HALLOYSITE NANOTUBE FOR BIOMEDICAL APPLICATION.
- 89 POTENTIAL OF APPLYING PV AT UTHM PAGOH CAMPUS.
- 90 POTENTIAL OF FUEL ECONOMY AND ACCELERATION PERFORMANCE IMPROVEMENT BY OPTIMIZING TRANSMISSION GEAR RATIO USING 1D CYCLE AND STATISTICAL ANALYSIS.
- 91 PREPARATION AND CHARACTERIZATION OF PVDF-PVA NANOFIBERS MEMBRANE BY ELECTROSPINNING METHOD FOR NERVE TISSUES ENGINEERING.

- 92 PREPARATION, MECHANICAL AND PHYSICAL CHARACTERIZATION OF POLYVINYLIDENE FLUORIDE/ POLYVINYL ALCOHOL ELECTROSPUN NANOFIBER FOR NERVE TISSUE ENGINEERING POTENTIAL.
- 93 REINSTATEMENT OF FINE AGGREGATE WITH QUARRY WASTE IN CONCRETE.
- 94 REMOVAL OF REACTIVE DYE FROM TEXTILE INDUSTRIAL WASTEWATER USING SOFTWOODS WASTE AS ADSORBENT.
- 95 SIMULATION ON THE EFFECT OF DIFFERENT FLUID VELOCITY INLET ON THE FLOW BEHAVIOUR AND STRUCTURE PERFORMANCE OF THE PIPELINE IN UTHM BIODIESEL PILOT PLANT.
- 96 SMART FERTIGATION SYSTEM USING PROGRAMMABLE LOGIC CONTROLLER AND ARDUINO (PAC FARM SYSTEM).
- 97 SMART SOLAR PLANT WATERING SYSTEM
- 98 SOAKED CBR TEST ON STABILISED MILLING WASTE - CRUSHER RUN MIX.
- 99 SOLAR AND HYDRO FOR SUPPORT HOME AQUAPONIC SYSTEM.
- 100 STRENGTH PERFORMANCE OF COCONUT HUSK FIBRE IN CLAYEY SOIL.
- 101 STRESS AND STRAIN RELATIONSHIP FOR CYLINDER CONCRETE CONTAINING PALM OIL FUEL ASH (POFA) AND EXPANDED POLYSTYRENE (EPS).
- 102 STRESS AND STRAIN RELATIONSHIP OF CYLINDER CONCRETE CONTAINING PALM OIL FUEL ASH (POFA) AND EXPANDED POLYSTYRENE (EPS).
- 103 STRUCTURAL ANALYSIS OF LONG ARM EXCAVATOR BOOM FOR OPTIMIZATION PERFORMANCE UNDER MAXIMUM BREAKOUT CONDITION.
- 104 STUDY ON DOOR MIRROR TO IMPROVE WATER DEPOSITION AT DOOR WINDOW.



- 105 THE APPLICATION OF UNMANNED AERIAL VEHICLES (UAV) TO DETERMINE THE PRONE AREA OF LANDSLIDES AT BUKIT ANTARABANGSA, AMPANG, SELANGOR.
- 106 THE COMPARISON OF PHYSICOCHEMICAL PROPERTIES, ANTIOXIDANT ACTIVITY AND TOTAL PHENOLIC CONTENT OF DIFFERENT SPECIES OF HONEY.
- 107 THE EFFECT OF PALM FROND BIOCHAR IN AEROBIC GRANULE SLUDGE SYSTEM IN TREATING SYNTHETIC WASTEWATER.
- 108 THE EFFECT OF POWER ULTRASONIC TREATMENT IN SOLID LIQUID EXTRACTION TO PRODUCE SUPERNATANT LIQUID.
- 109 THE EFFECT OF SILANE TREATMENT ON NANOSIZED CARICA PAPAYA SEED MODIFIED PULLULAN AS BIOCOAGULANT IN WASTEWATER TREATMENT.
- 110 THE EFFECTIVENESS OF COCONUT COIR FIBRE FOR SLOPE VEGETATION.
- 111 THE EFFECTIVENESS OF PHOTOVENTI UNDER MALAYSIAN CLIMATE.
- 112 THE EFFECTS OF CROSSWIND ON AERODYNAMIC OF A GENERIC TRAIN BY USING ANSYS SOFTWARE.
- 113 THE GROUND CONTROL STATION (GCS) DESIGN FOR CAN-SIZED SATELLITE (CANSAT) SYSTEM.
- 114 THE PERFORMANCE OF REINFORCEMENT CONCRETE BEAM CONTAINING PALM OIL FUEL ASH (POFA) AND EXPANDED POLYSTYRENE (EPS) IN TERM OF FLEXURAL VARIABLE.
- 115 THE PERFORMANCES OF CATIONIC STARCH (CS) AND SODIUM CARBOXYMETHYL CELLULOSES (CMC-NA) AS DRY STRENGTH ADDITIVES (DSA) ON A4 WASTEPAPER.
- 116 THE USABILITY OF MOBILE APPLICATIONS MANAGEMENT COMPLAINTS: A CASE STUDY IN PONTIAN, MALAYSIA.
- 117 THERMAL AND MECHANICAL PROPERTIES FOR SILANE TREATED NANOSIZED CARICA PAPAYA SEEDS MODIFIED PULLULAN COMPOSITES.

- 118 THERMAL COMFORT EVALUATION AT THE MULTIPURPOSE HALL IN HOSTEL UTHM PAGOH.
- 119 UNSOAKED CBR TEST ON STABILIZED MILLING WASTE AND CRUSHER RUN MIX.
- 120 UTILISATION OF POLYETHYLENE TEREPHTHALATE (PET) AS AGGREGATE SUBSTITUENT IN CONCRETE MIXTURE FOR INDUSTRIALISED BUILDING SYSTEM (IBS) COMPONENT.
- 121 UTILIZATION OF INSULATION FOAM BASED ON HDPE PLASTIC WASTE AS SOUND ABSORPTION PROPERTIES FOR CAR SEAT APPLICATION.