



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

STAFF PROFILE

NAME DR. ANIS SUHAILA BINTI MOHD ZAIN

FACULTY / CENTRE FAKULTI KEJURUTERAAN ELEKTRONIK & KEJ. KOMPUTER

DESIGNATION PENSYARAH UNIVERSITI

CURRENT POSITION PENSYARAH KANAN - FAKULTI KEJURUTERAAN ELEKTRONIK & KEJ. KOMPUTER

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ACADEMIC QUALIFICATION

YEAR	QUALIFICATION	INSTITUTION
2013	KEDOKTORAN FALSAFAH (PH.D)	UNIVERSITY OF GLASGOW
2001	SARJANA (MASTERS)	UNIVERSITI KEBANGSAAN MALAYSIA
2000	SARJANA MUDA (BACHELOR)	UNIVERSITI KEBANGSAAN MALAYSIA

FIELD OF INTEREST

TEACHING EXPERIENCE *(last 5 years)*

UNDERGRADUATES

SESSION	COURSE
2021/2022	BENG3013 - ELECTRIC AND ELECTRONIC PRACTICES
2021/2022	BENR1113 - FUNDAMENTAL OF ELECTRICAL & ELECTRONICS
2020/2021	BENG1413 - DIGITAL ELECTRONICS
2020/2021	BENR1113 - FUNDAMENTAL OF ELECTRICAL & ELECTRONICS
2019/2020	BEKG1123 - PRINCIPLES OF ELECTRICAL AND ELECTRONICS
2019/2020	BENR1113 - FUNDAMENTAL OF ELECTRICAL & ELECTRONICS
2018/2019	BENG1413 - DIGITAL ELECTRONICS
2018/2019	DENE3563 - MINI PROJECT
2017/2018	BEKG1123 - PRINCIPLES OF ELECTRICAL AND ELECTRONICS
2017/2018	BENG1413 - DIGITAL ELECTRONICS
2017/2018	BENM3133 - INTEGRATED CIRCUIT DESIGN & PROCESS
2017/2018	DENE3563 - MINI PROJECT
2016/2017	BENG1413 - DIGITAL ELECTRONICS
2016/2017	DENE3563 - MINI PROJECT

POSTGRADUATES

SESSION	COURSE
2020/2021	MENC5223 - EMBEDDED SOFTWARE DESIGN

LIST OF GRANTS (*last 5 years*)

YEAR AWARDED	TITLE OF PROJECT	TYPE OF GRANT	AMOUNT (RM)	ROLE
2020	NEW MODELING TECHNIQUE OF SIMULATION OF CMOS SINGLE AND DOUBLE GATES ION SENSITIVE FIELD EFFECT TRANSISTOR (ISFET).	GERAN FRGS (NATIONAL)	50400	MAIN RESEARCHER
2017	OPTIMIZATION OF PROCESS PARAMETER VARIATION IN DOUBLE-GATE FINFET MODEL ON ELECTRICAL CHARACTERISTICS USING STATISTICAL METHOD FOR REDUCED VARIABILITY AND ENHANCED PERFORMANCE.	GERAN FRGS (NATIONAL)	58300	CO-RESEARCHER

PUBLICATIONS (last 5 years)**JOURNAL**

YEAR	TITLE	NAME OF JOURNAL	AUTHORS
2020	ANALYSIS OF ANALOG AND RF BEHAVIORS IN JUNCTIONLESS DOUBLE GATE VERTICAL MOSFET	BULLETIN OF ELECTRICAL ENGINEERING AND INFORMATICS	K. E. KAHARUDIN, Z. A. F. M. NAPIAH, F. SALEHUDDIN, A. S. M. ZAIN, AMEER F. ROSLAN
2020	COMPARATIVE STUDY OF SOLUTION CONCENTRATION VARIATIONS FOR POLYMER OPTICAL FIBERS SENSOR	MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES	HAZURA HAROON, MUHAMAD NAEEM MOHD NAZRI, SITI KHADIJAH IDRIS, HANIM ABDUL RAZAK, ANIS SUHAILA MOHD ZAIN, FAUZIYAH SALEHUDDIN
2020	ENHANCED PERFORMANCE OF 19 SINGLE GATE MOSFET WITH HIGH PERMITTIVITY DIELECTRIC MATERIAL	INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE	AMEER F. ROSLAN, F. SALEHUDDIN, A.S.M.ZAIN, K.E.KAHARUDIN, I.AHMAD
2020	PREDICTIVE ANALYTICS OF CIGS SOLAR CELL USING A COMBINATIONAL GRA-MLR-GA MODEL	JOURNAL OF JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY	KHAILIRIL EZWAN KAHARUDIN, FAUZIYAH SALEHUDDIN, ANIS SUHAILA MOHD ZAIN, AMEER FARHAN ROSLAN
2019	COMPARATIVE HIGH-K MATERIAL GATE SPACER IMPACT IN DG-FINFET PARAMETER VARIATIONS BETWEEN TWO STRUCTURES	INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE	AMEER F. ROSLAN, F. SALEHUDDIN, A.S.M. ZAIN, K.E. KAHARUDIN, I. AHMAD, H. HAZURA, A.R. HANIM, S.K. IDRIS
2019	DESIGN CONSIDERATION AND IMPACT OF GATE LENGTH VARIATION ON JUNCTIONLESS STRAINED DOUBLE GATE MOSFET	INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY AND ENGINEERING	KAHARUDIN, K.E., ROSLAN, A.F., SALEHUDDIN, F., NAPIAH, Z.A.F.M., ZAIN, A.S.M.
2019	EFFECT OF CHANNEL LENGTH VARIATION ON ANALOG AND RF PERFORMANCE OF JUNCTIONLESS DOUBLE GATE VERTICAL MOSFET	JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY	K. E. KAHARUDIN, F. SALEHUDDIN, A. S. M. ZAIN, AMEER F. ROSLAN
2019	EXPERIMENTAL PERFORMANCE ANALYSIS OF MACROBENDING LOSS CHARACTERISTICS IN POLYMER OPTICAL FIBER	JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY	HAZURA HAROON, ABDUL AZIZ ABU MANSOR, HANIM ABDUL RAZAK, SITI KHADIJAH IDRIS, ANIS SUHAILA MOHD ZAIN, FAUZIYAH SALEHUDDIN
2019	GEOMETRIC AND PROCESS DESIGN OF ULTRA-THIN JUNCTIONLESS DOUBLE GATE VERTICAL MOSFETS	INTERNATIONAL JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING	KAHARUDIN, K.E., SALEHUDDIN, F., ZAIN, A.S.M., ROSLAN, A.F.
2019	OPTIMAL DESIGN OF JUNCTIONLESS DOUBLE GATE VERTICAL MOSFET USING HYBRID TAGUCHI-GRA WITH ANN PREDICTION	JOURNAL OF MECHANICAL ENGINEERING AND SCIENCES	KAHARUDIN, K.E., SALEHUDDIN, F., ZAIN, A.S.M., ROSLAN, A.F.
2019	PERFORMANCE ANALYSIS OF ULTRATHIN JUNCTIONLESS DOUBLE GATE VERTICAL MOSFETS	BULLETIN OF ELECTRICAL ENGINEERING AND INFORMATICS	KAHARUDIN, K.E., NAPIAH, Z.A.F.M., SALEHUDDIN, F., ZAIN, A.S.M., ROSLAN, A.F.
2018	ANALYZE OF PROCESS PARAMETER VARIANCE IN 19NM WSi2/TiO2 NMOS DEVICE USING 2K-FACTORIAL DESIGN	JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING	F.SALEHUDDIN, AMEER F.ROSLAN, A.E.ZAILAN, K.E.KAHARUDIN, A.S.M.ZAIN, AFIFAH MAHERAN A.H., A.R.HANIM, H.HAZURA, S.K.IDRIS, WIRA HIDAYAT MOHD SAAD
2018	OPTIMIZATION OF ELECTRICAL PROPERTIES IN TiO2/WSiX-BASED VERTICAL DG-MOSFET USING TAGUCHI-BASED GRA WITH ANN	JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING	K. E. KAHARUDIN, F.SALEHUDDIN, A.S.M.ZAIN CENTRE FOR TELECOMMUNICATION RESEARCH AND INNOVATION, FACULTY OF ELECTRONICS AND COMPUTER ENGINEERING, UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTEM), HANG TUAH JAYA, DURIAN TUNGGAL, 76100 MELAKA
2018	THRESHOLD VOLTAGE AND LEAKAGE CURRENT VARIABILITY ON PROCESS PARAMETER IN A 22NM PMOS DEVICE	JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING (JTEC)	AFIFAH MAHERAN A.H., MENON P.S., I. AHMAD, NOOR FAIZAH Z. A., A.S. MOHD ZAIN, F. SALEHUDDIN, NURAINI M.SAYED

CONFERENCE

YEAR	TITLE	NAME OF CONFERENCE	AUTHORS
2019	ANALYSIS OF ANALOG AND RF BEHAVIORS IN JUNCTIONLESS DOUBLE GATE VERTICAL MOSFET	INTERNATIONAL CONFERENCE ON ELECTRICAL AND ELECTRONICS ENGINEERING (ICON3E2019)	K. E. KAHARUDIN, Z. A. F. M. NAPIAH, F. SALEHUDDIN, A. S. M. ZAIN, AMEER F. ROSLAN
2018	PERFORMANCE ANALYSIS OF ULTRATHIN JUNCTIONLESS DOUBLE GATE VERTICAL MOSFETS	2018 INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONIC, COMMUNICATION AND CONTROL ENGINEERING	K.E. KAHARUDIN; Z.A.F.M. NAPIAH; F. SALEHUDDIN; AMEER F. ROSLAN; A.S.M. ZAIN;

PROFESSIONAL MEMBERSHIPS / LEARNED SOCIETY

YEAR	ROLE	INSTITUTION	LEVEL
2017	CHARTERED ENGINEER (INSTITUTION OF ENGINEER AND TECHONOLOGY-IET)	LAIN-LAIN	ANTARABANGSA

POSTGRADUATE SUPERVISION *(last 5 years)*

NO	NAME	LEVEL OF STUDY	ROLE	STATUS
1	AHMED MUSA DINAR	DOCTORATE	MAIN SUPERVISOR	GRADUATED (2020)
2	KHAIRIL EZWAN BIN KAHARUDIN	DOCTORATE	CO-SUPERVISOR	GRADUATED (2017)
3	MUHAMMAD NAZIRUL IFWAT BIN ABD AZIZ	MASTERS	CO-SUPERVISOR	GRADUATED (2017)
4	ZULFANIZAM BIN ABDUL WAHAB	MASTERS	CO-SUPERVISOR	ACTIVE
5	AMEER FARHAN BIN ROSLAN	MASTERS	CO-SUPERVISOR	ACTIVE
6	UMI NAJWA BINTI KAMARULZAMAN	MASTERS	MAIN SUPERVISOR	ACTIVE

KATEGORI MAKLUMAT	PEJABAT DIRUJUK
PERSONAL INFORMATION	BAHAGIAN SUMBER MANUSIA, PEJABAT PENDAFTAR
ACADEMIC QUALIFICATON	
PROFESSIONAL MEMBERSHIP / LEARNED SOCIETY	
TEACHING EXPERIENCE	BAHAGIAN PENGURUSAN AKADEMIK, PEJABAT PENDAFTAR
<ul style="list-style-type: none"> • UNDERGRADUATES 	
<ul style="list-style-type: none"> • POSTGRADUATES 	PUSAT PENGAJIAN SISWAZAH (PPS)
POSTGRADUATE SUPERVISION	PUSAT PENGAJIAN SISWAZAH (PPS)
FIELD OF INTEREST	PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI (CRIM)
LIST OF GRANTS	
LIST OF RESEARCH AWARDS	PUSAT PENGKOMERSILAN (UCC)
INTELLECTUAL PROPERTIES	
COMMERCIALIZATION	
PUBLICATIONS	PERPUSTAKAAN LAMAN HIKMAH
CONSULTANCY	PUSAT JARINGAN INDUSTRI DAN MASYARAKAT (PJIM)