



No.1 ENTREPRENEURIAL
UNIVERSITY

SESI TAKLIMAT PROMOSI DARIPADA FAKULTI INDUSTRI ASAS TANI (FIAT) UNIVERSITI MALAYSIA KELANTAN KAMPUS JELI



FAKULTI INDUSTRI ASAS TANI
UNIVERSITI MALAYSIA KELANTAN
KAMPUS JELI

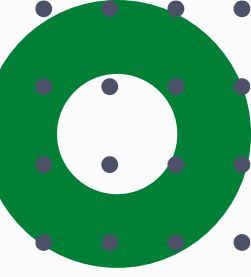


OfficialUMK
umk.edu.my

ENTREPRENEURSHIP
is our trust

Kita
#BinaLegasiUMK
Bersama

#WeAreUMKFamily
#OneUMKOneDream



1

PENGENALAN KEPADA FIAT



PENGENALAN FIAT

- Fakulti Industri Asas Tani (FIAT) ditubuhkan secara rasmi pada 1 April 2012 bersama dengan Fakulti Sains Bumi (FSB), setelah bernaung di bawah Fakulti Agro Industri dan Sumber Asli (FASA) sejak penubuhan UMK
- Tumpuan kepada bidang pertanian dan keusahawanan
- Menawarkan program pengajian di peringkat pascasiswazah (2 program) dan prasiswazah (4 program)

SEJARAH PENUBUHAN

2012
FIAT ditubuhkan

2022
Sambutan 10 Tahun
Penubuhan FIAT



Selamat Datang
Ke
FIAT
FAKULTI INDUSTRI ASAS TANI

VISI DAN MISI FIAT



VISI

Pemimpin dalam penyepaduan sains dan teknologi dengan keusahawanan untuk pembangunan modal insan kelas pertama



MISI

- Menyediakan ilmu pengetahuan dan kepakaran yang berkualiti tinggi berteraskan agro industri
- Menjalankan penyelidikan dan pengkomersialan hasil penyelidikan untuk kelestarian manusia sejagat dan penjana ekonomi negara.
- Memberi perkhidmatan dan mewujudkan rangkaian kerjasama bagi memenuhi tanggungjawab sosial.

Dengan matlamat

- Melahirkan modal insan berkualiti untuk memacu pembangunan negara melalui
- Penyediaan prasarana, sistem penyampaian dan sumber manusia yang bertaraf dunia.

Yang disokong

- Warga fakulti yang mempunyai moral dan etika yang tinggi, profesional dan berinovasi yang mampu menjana perubahan melalui pemuafakatan.
- Mengukuhkan hubungan antara fakulti dan jangkauan universiti melalui alumni dan jaringan kerjasama
- Meningkatkan pembiayaan luar dan sokongan untuk penyelidikan, pengajaran dan jangkauan





DEKAN

PROF. MADYA DR.
SERI INTAN BINTI
MOKHTAR



TIMBALAN DEKAN (AKADEMIK DAN PEMBANGUNAN PELAJAR)

CHM. DR. SYED
MUHAMMAD AL-
AMSYAR BIN SYED
ABD KADIR



TIMBALAN DEKAN (PENYELIDIKAN, INOVASI DAN PASCASISWAZAH)

TS. DR. NOR DINI
BINTI RUSLI



No.1 ENTREPRENEURIAL
UNIVERSITY

STAF PENGURUSAN FIAT

KETUA JABATAN (INDUSTRI BERASASKAN AGRO)

DR. RAIMI BINTI MOHAMED REDWAN



PENYELARAS PROGRAM (TEKNOLOGI PEMBANGUNAN PRODUK)

TS. DR. SITI NUURUL HUDA BINTI MOHAMMAD AZMIN



PENYELARAS PROGRAM (JAMINAN MAKANAN)

DR. ZUHARLIDA BINTI TUAN HARITH



PEGAWAI TADBIR

EN. FAIZ NUR HAKIM BIN AZMI



KETUA JABATAN (SAINS AGRIKULTUR)

DR. NORHAFIZAH BINTI MD ZAIN



PENYELARAS PROGRAM (AGROTEKNOLOGI)

EN. MOHD BIN MAHMUD @ MANSOR



PENYELARAS PROGRAM (SAINS PETERNAKAN)

DR. HAZREEN NITA BINTI MOHD KHALID



PEGAWAI SAINS

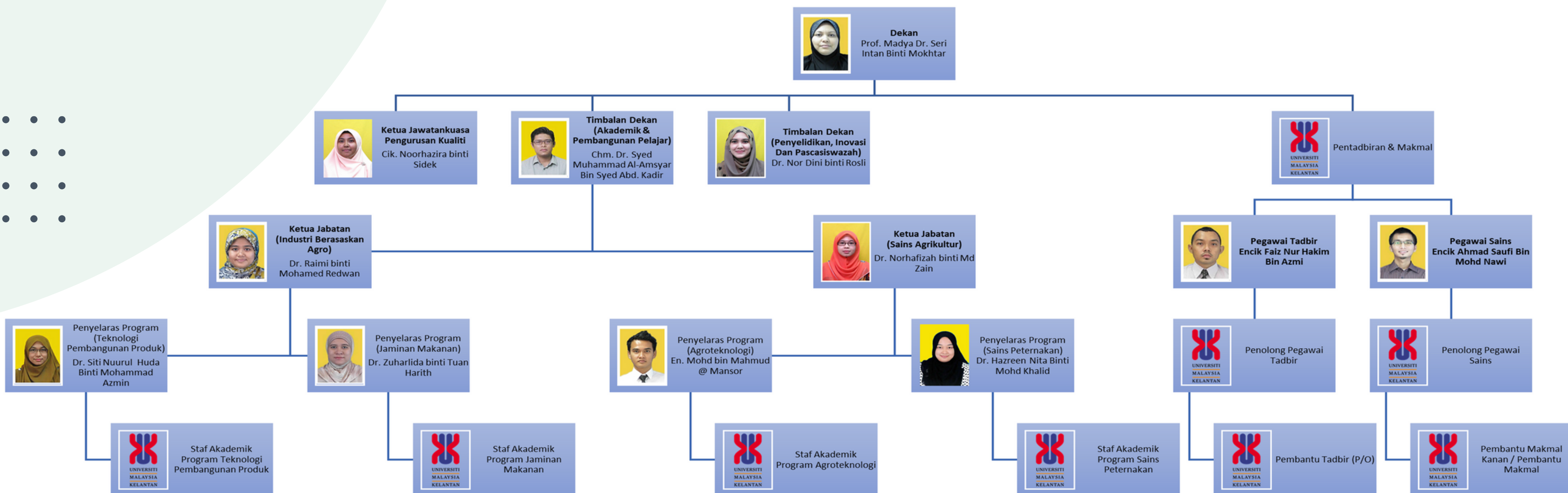
EN. AHMAD SAUFI BIN MOHD NAWI





CARTA ORGANISASI FAKULTI INDUSTRI ASAS TANI UNIVERSITI MALAYSIA KELANTAN

(30/1/2023)



PROGRAM PENGAJIAN YANG DITAWARKAN FIAT

**PROGRAM
PASCASISWAZAH
IJAZAH
DOKTOR FALSAFAH
(26 BIDANG PENGAJIAN)**

**PROGRAM
PASCASISWAZAH
IJAZAH
SARJANA SAINS
(26 BIDANG PENGAJIAN)**

**PROGRAM
PRASISWAZAH
IJAZAH SARJANA MUDA
SAINS GUNAAN (AGROTEKNOLOGI)
DENGAN KEPUJIAN
(SFA - UL6621001)**

**PROGRAM
PRASISWAZAH
IJAZAH SARJANA MUDA
SAINS GUNAAN (TEKNOLOGI
PENTERNAKAN) DENGAN KEPUJIAN
(SFH - UL6620001)**

**PROGRAM
PRASISWAZAH
IJAZAH SARJANA MUDA
SAINS GUNAAN (TEKNOLOGI PRODUK
AGRO) DENGAN KEPUJIAN
(SFP - UL6540002)**

**PROGRAM
PRASISWAZAH
IJAZAH SARJANA MUDA
SAINS GUNAAN (JAMINAN MAKANAN)
DENGAN KEPUJIAN
(SBF - UL6541001)**

BIDANG PENGAJIAN PROGRAM PASCASISWAZAH FIAT

- KEUSAHAWANAN TEKNOLOGI PERTANIAN
- BIOTEKNOLOGI PERTANIAN
- TEKNOLOGI PEMBANGUNAN PRODUK
- SAINS PETERNAKAN
- AKUAKULTUR
- JAMINAN MAKANAN
- TEKNOLOGI PERTANIAN
- PERNIAGAAN TANI
- AGRONOMI
- PENGURUSAN HAIWAN PEROSAK
- MIKOLOGI TUMBUHAN
- PATOLOGI TUMBUHAN
- HORTIKULTUR

**26 BIDANG PENGAJIAN
BAGI PROGRAM
IJAZAH DOKTOR
FALSAFAH DAN
IJAZAH SARJANA SAINS**

14. PEMBIAKAN TUMBUHAN
15. SAINS RUMPAI
16. TEKNOLOGI LEPAS TUAI
17. SAINS TANAH
18. BIOTEKNOLOGI TUMBUHAN
19. NUTRISI HAIWAN
20. NUTRISI AKUAKULTUR
21. REPRODUKSI DAN PEMBIAK-BAKAAN HAIWAN
22. SAINS TANAMAN FORAJ DAN FODER
23. SAINS POLTRI
24. SAINS DAN TEKNOLOGI TENUSU
25. BIOTEKNOLOGI INDUSTRI
26. BIOTEKNOLOGI MOLEKUL

FOKUS UTAMA PROGRAM PRASISWAZAH FIAT



**AGROTEKNOLOGI
(SBL - UL6621001)**
FOKUS KEPADA BIDANG
PERTANIAN DAN
KEUSAHAWANAN



**TEKNOLOGI PEMBANGUNAN
PRODUK (SBP - UL6540001)**
FOKUS KEPADA BIDANG
TEKNOLOGI PEMBANGUNAN
PRODUK AGRO DAN
KEUSAHAWANAN

**SAINS PETERNAKAN
(SBH - UL6620001)**
FOKUS KEPADA BIDANG
PETERNAKAN DAN
KEUSAHAWANAN



**JAMINAN MAKANAN
(SBF - UL6541001)**
FOKUS KEPADA BIDANG
SEKURITI MAKANAN
DAN KEUSAHAWANAN



STATUS AKREDITASI PROGRAM PENGAJIAN



AKREDITASI MQA

- PhD: MQA/FA6223 (25/04/2013)
- MSc: MQA/FA6222 (25/04/2013)
- SBP: MQA/FA15637(01/01/2022)
- SBH: MQA/FA15638(01/01/2022)
- SBL: MQA/FA15639 (01/01/2022)
- SBF: MQA/FA3168 (28/02/2020)



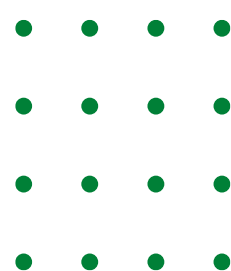
AKREDITASI MBOT

A. AKREDITASI PENUH (07/07/2023)

- SBL: MBOT/FA/AF/0/02/0001
- SBP: MBOT/FA/AF/0/02/0002
- SBH: MBOT/FA/AF/0/02/0003

B. AKREDITASI SEMENTARA (19/02/2021)

- SBF: MBOT/PR/AF/0/02/0007





**BSc. Applied Science
Agrotechnology
with Honors**

Universiti Malaysia Kelantan

SEPTEMBER 2022 INTAKE

www.fiat.umk.edu.my
fiat@umk.edu.my
[agrotek.umk](https://www.instagram.com/agrotek.umk)
[UMK Agroteknologi](https://www.facebook.com/UMKAgroteknologi)

Fakulti Industri Asas Tani
 Universiti Malaysia
 Kelantan, 17600 Jeli,
 Kelantan

UPU: UL6621001



**LEVERAGE YOUR
POTENTIAL.
JOIN US TODAY!**

Combine your interest in agriculture and technology and be at the forefront of the industry with us. The programme touches on crop production systems for the sustainability of the agricultural industry, including the underpinning scientific, economic and business principles and the applicability of recent technologies and developments to increase the nations' food production and food security.



Industry driven syllabus



Accredited programmes



High employment rate (90%)



Entrepreneurship attributes

READ MORE >



UL6621001

Our program were accredited by Malaysian Qualifications Agency (MQA) and Malaysia Board of Technologists (MBOT).





3 Reasons Why must choose Agrotechnology!



1

Entrepreneurial



UMK is the first IPTA with the international ACEEU*. Students received strong support to excel in business and entrepreneurship.

*Accreditation Council for Entrepreneurial and Engaged Universities, Germany



2

Accredited program



Our program is accredited and approved by both the Malaysian Qualifications Agency (MQA) and Malaysia Board of Technologists (MBOT).



3

High employability



In 2022, the Ministry of High Education reported that 92% of our graduates were employed after finishing their studies.



PROGRAM SAINS PETERNAKAN (SBL - UL6620001)



Animal Husbandry Science (SBH)

The Program

WHAT IS IT ABOUT?

Animal Husbandry Science is the key to the development of the agro-based industry in Malaysia. Livestock industry has been established in our country and has contributed significantly to economic development. Various types of livestock have the potential to be further developed. Among them are ruminants like cattle, goats and others as well as aquatic animals such as fish and various crustaceans. Animal Husbandry Science programme is blended with the elements of entrepreneurship as well. This will support the National Agriculture Policy in order to commercialize agricultural products and increase food production.

WHAT WILL I LEARN?

Biodiversity, Microbiology, Genetics, Biochemistry, Principal of Chemistry, Basic Mathematics, Basic Statistics, Anatomy & Animal Physiology, Entrepreneurship Behaviour, Animal Genetics & Breeding, English, Foreign Language, Entrepreneurship subjects, Poultry Industry, Ruminant Industry, Animal Feed Technology, Ethic Relationship, Management studies, Livestock Production, Aquaculture Industry, Business Planning in Animal husbandry, Livestock Farm Management, Special Topic in Animal Husbandry, Animal Health, Animal Nutrition, Dairy Science & Technology, Meat Science & Technology, Intro to Immunology, Aquaculture Management, Swine Industry, Pet Industry, Agrostology

Why choose us?



Industry driven
syllabus



Accredited
programmes



High employment
rate (94%)



Entrepreneurship
attributes



Developing future
talents

Accreditation:



Bsc. Applied Science

**ANIMAL HUSBANDRY
SCIENCE**

Faculty of Agro-based Industry

Universiti Malaysia Kelantan

PROGRAM SAINS PETERNAKAN (SBL - UL6620001)



Why Choose Us? UPU code: UL6620001

Animal Husbandry Science is the key to the development of the agro-based industry in Malaysia. Livestock industry has been established in our country and has contributed significantly to economic development. Various types of livestock have the potential to be further developed. Among them are ruminants like cattle and goats and others as well as aquatic animals such as fish and various crustaceans. Animal Husbandry Science programme is blended with the elements of entrepreneurship as well. This will support the National Agriculture Policy in order to commercialize agricultural products and increase food production.



- 
- STUDENTS' COMPANIES**
- Aroca rosenbergii
 - Strolob
 - Capribos Enterprise

- 
- INNOVATIONS**
- CapriBos multinutrient block
 - Soy growth booster
 - Provaeefeed
 - PregnaMix
 - NiChE
 - Premium TMR
 - DBHM Liquid
 - Mulberry pellet

- 
- AWARDS**
- 26 International & National Awards



IJAZAH SARJANA MUDA SAINS GUNAAN (TEKNOLOGI PEMBANGUNAN PRODUK)

Program ini memberi peluang kepada pelajar untuk belajar dan meneroka pelbagai pengetahuan dan kemahiran dalam bidang sains dan teknologi selaras dengan dasar-dasar kerajaan dan aspirasi awam dalam memodenkan bidang pertanian dan bidang terpakai. Siswazah akan didedahkan dalam pelbagai aspek pengkomersialan produk bermula dari reka bentuk asas kepada pembangunan produk berasaskan pertanian bagi meningkatkan nilai komersial sesuatu produk.

#pilihumsbpUL6540001



KENAPA PILIH PROGRAM INI?

- Diiktiraf sepenuhnya oleh MQA
- Menyediakan pelajar dengan pengetahuan keusahawanan bersepadu dengan sains dan teknologi
- Menekankan kepada kemahiran insaniah
- Pensyarah berpengalaman dan terlatih
- Memenuhi keperluan industri untuk produk makanan dan bukan makanan

#pilihumsbpUL6540001



PELUANG KERJAYA

- Eksekutif Kawalan Mutu
- Eksekutif Kawalan Kualiti
- Eksekutif Teknikal dan Pengeluaran
- Eksekutif Pembangunan Produk
- Eksekutif Produk Agro dan Pemprosesan Makanan
- Pengurus Penyelidikan dan Pembangunan Produk
- Usahawan Produk Agro
- Pegawai dalam Sektor Kerajaan
- Pegawai Sains
- Pegawai Penyelidik
- Pensyarah

#pilihumksbpUL6540001

**IJAZAH SARJANA MUDA SAINS GUNAAN
(TEKNOLOGI PEMBANGUNAN PRODUK)**

KOD UPU: UL6540001

Program ini menawarkan pengetahuan dan kemahiran dalam bidang sains dan teknologi selaras dengan dasar-dasar kerajaan dan aspirasi awam dalam memodenkan bidang pertanian dan bidang terpakai.

Siswazah akan didedahkan dengan pelbagai aspek pengkomersilan produk bermula dari reka bentuk asas kepada pembangunan produk berasaskan pertanian yang seterusnya meningkatkan nilai produk.

PELUANG KERJAYA

- Eksekutif Kawalan Mutu
- Eksekutif Kawalan Kualiti
- Eksekutif Teknikal dan Pengeluaran
- Eksekutif Pembangunan Produk
- Eksekutif Produk Agro dan Pemprosesan Makanan
- Eksekutif Penyelidikan dan Pembangunan Produk
- Eksekutif Pembangunan Perniagaan
- Usahawan Produk Agro
- Pegawai dalam Sektor Kerajaan
- Pegawai Sains
- Pegawai Penyelidik
- Pensyarah

KENAPA PERLU PILIH PROGRAM INI?



Silibus

berteraskan
industri



>95%

Kebolehpasaran



Diakreditasi

MQA &
MBOT



Berteraskan
keusahawanan



Pengembangan
bakat



Imbas kod untuk
maklumat lanjut



#umksbp

#pilihumksbpUL6540001 #upuonline

PROGRAM JAMINAN MAKANAN (SBF - UL6541001)

BACHELOR OF APPLIED SCIENCES (FOOD SECURITY) WITH HONOURS

UPU: UL6541001

BSc Applied Science (FOOD SECURITY) with honours UL6541001

FAKULTI INDUSTRI ASAS TANI
UNIVERSITI MALAYSIA KELANTAN KAMPUS JELI
17600 JELI
KELANTAN

www.fiat.umk.edu.my
fiat@umk.edu.my
UMK Jaminan Makanan
sbfumk



SECURING FOOD FOR THE FUTURE

FURTHER INFORMATION

DR ZUHARLIDA TUAN HARITH
PROGRAM COORDINATOR
zuharlida@umk.edu.my

THE PROGRAM

Bachelor of Applied Sciences (Food Security) with Honours is the first and only undergraduate programme offered in Malaysia designed to prepare students to manage the problem of food security in a holistic manner. The design of the programme is in-line with Malaysia's Food Security Policy to ensure sufficient and sustainable food supply for the country. This programme aims to educate students with the scientific skills, entrepreneurial mindset and prepare them to become professionals with entry-level competencies in multi-disciplinary fields. This programme has duration of eight (8) semesters with a total of 127 minimum credits for graduation credit.

OUR OBJECTIVES

- Produce food security and technology professionals who are equipped with entrepreneurial skills
- Produce graduates who fulfill the agro-based industries needs in producing sustainable foods
- Produce graduates with the ability to develop and produce local agro-based products innovatively and with added-value
- Create students who understand the challenges of political, social and economic processes leading to food insecurity

ACCREDITATION



WHAT DO WE LEARN

Graduates in this programme will be exposed to both upstream and downstream aspects in agrotechnology. The program integrates agrotechnology, animal sciences, aquaculture and food technology in one.



ENTRY REQUIREMENT



GRADUATE EMPLOYABILITY



WE ARE NEW.. BUT
85% OF OUR 1ST KOHORT
GRADUATES ARE EMPLOYED

JOB PROSPECTS

- Lab Technologist
- Agricultural Executive / Officers
- Research Officer
- Quality Assurance Executive Officers
- Fishery Department Executive Officers
- Science Officer
- Assistant Project Manager
- Executive in Plantations Companies
- Animal Farm Executive
- Agro-technology Entrepreneur
- Food Processing Plant Executive



**IJAZAH SARJANA
MUDA SAINS GUNAAN
(JAMINAN MAKANAN)
DENGAN KEPUJIAN
KOD UPU:UL6541001**

**FAKULTI INDUSTRI ASAS TANI
UNIVERSITI MALAYSIA KELANTAN**

Ijazah Sarjana Muda Sains Gunaan (Jaminan Makanan) dengan Kepujian merupakan satu program baru yang ditawarkan di Malaysia khususnya UMK. Program ini dibentuk selaras dengan Dasar Jaminan Makanan Malaysia untuk memastikan bekalan makanan yang mencukupi dan mampan untuk negara padamasa depan. Graduan dalam program ini akan didedahkan kepada pelbagai aspek menyeluruh dalam bidang berkaitan jaminan makanan termasuk pertanian, penternakan serta pembangunan produk berasaskan agro-tani, yang membawa kepada kesedaran tentang aspirasi jaminan makanan negara.

Peluang pekerjaan: Pegawai Pertanian, Pegawai Penyelidik, Eksekutif Kualiti Makanan, Pegawai Sains, Usahawan Industri Makanan, dll

SERTAI KAMI SEKARANG!!

Maklumat lanjut



<http://fiat.umk.edu.my/index.cfm>

TERBUKA KEPADA LEPASAN STPM ALIRAN
SAINS DAN SASTERA, MATRIKULASI,
DIPLOMA DAN SETARAF

Permohonan adalah melalui laman sesawang
<http://upu.moe.gov.my/>

BROSUR PROGRAM PENGAJIAN PRASISWAZAH FIAT



FULFILL GENERAL AND SPECIAL ENTRY REQUIREMENTS

STPM

Obtain minimum CGPA 2.00

and Obtain minimum C Grade for STPM level in any ONE (1) of the following subjects:

Biology, Physics, Chemistry, Mathematics (M), Mathematics (T), Economics, Business Studies, Sport Sciences, Information and Communication Technology, Visual Arts, Accounting;

and Obtain minimum D Grade for SPM level in any ONE (1) of the following subject:

Physics, Chemistry, Biology, Additional Mathematics, Additional Sciences;

or Obtain minimum C Grade for SPM level in any ONE (1) of the following subject:

Sciences, Mathematics, Agriculture Sciences, Food Processing, Nursery and Landscape, Aquaculture and Recreational Animals, Food Plants, Designs, Engineering Drawing, Civil Engineering Studies, Electrical Engineering Studies, Mechanical Engineering Studies;

and Obtain minimum MUET Band 2.0 for results obtained from session 1 of 2021 and MUET Band 2 for results 2020 and before

DIPLOMA

A. Diploma

Obtain minimum CGPA 2.00

and Diploma in a related field from an Institution recognized by the government, MQA and endorsed by the UMK Senate;

and Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

B. Diploma TVET (DKM/ DLKM/ DVM)

Obtain minimum CGPA 2.00

and Diploma from DKM/ DLKM/ DVM in a related field from an Institution recognized by the government, MQA and endorsed by the UMK Senate;

and Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

MATRICULATION / EQUAL

A. Matriculation/ Foundation

Obtain minimum CGPA 2.00

and Obtain minimum C Grade for Matriculation/ Foundation level in any ONE (1) of the following subjects:

Chemistry, Mathematics, Physics, Biology, Physics (Engineering), Chemistry (Engineering), Basic Engineering, Computer Sciences;

and Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

B. A-Levels

Obtain minimum 2C

and Obtain minimum C Grade for A-Level in any ONE (1) of the following subjects:

Mathematics, Chemistry, Biology, Physics, Economics, Accounting, Computing, Further Mathematics, Business Studies;

and Obtain minimum IELTS Band 4.0 or TOEFL IBT Skor 31 or CEFR Skor A2

CONTACT US

DEAN,
FACULTY OF AGRO-BASED INDUSTRY
UNIVERSITI MALAYSIA KELANTAN
JELI CAMPUS
17600, JELI
KELANTAN DARUL NAIM

☎ 09-9477441 / 09-9477446 / 09-9477448

🌐 fiat.umk.edu.my

✉ fiat@umk.edu.my

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NEW FIAT INTAKE REQUIREMENTS 2023 / 2024

UNDERGRADUATES
DEGREE PROGRAMS IN APPLIED SCIENCES
FACULTY OF AGRO-BASED INDUSTRY (FIAT)
UNIVERSITI MALAYSIA KELANTAN



BACHELOR OF APPLIED SCIENCE (ANIMAL HUSBANDRY SCIENCE) WITH HONOURS

UPU CODE: **UL6620001**
DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**
TOTAL CREDITS: **122 CREDITS**

Bachelor of Applied Science (Animal Husbandry Science) is a comprehensive program that equips students with the knowledge, skills, and practical experience required for success in the field of animal husbandry. Throughout the program, students delve into the fundamental aspects of animal biology, genetics, nutrition, reproduction, and health. They learn about different livestock species, including cattle, goats, sheep, poultry, swine, and aquaculture, and explore their specific husbandry requirements, breeding techniques, and disease prevention strategies. Experiential learning through the program enables students to apply theoretical knowledge in real-world scenarios and develop critical thinking, problem-solving, and communication skills. By combining theoretical knowledge with practical experience, this program prepares students to become skilled professionals capable of promoting animal welfare, improving livestock production, and contributing to the advancement of sustainable agricultural practices.

Potential Job Opportunities

- Animal farm executive, Livestock manager/ Farm manager, Animal nutritionist, Animal breeder, Animal welfare officer, Lecturer, Research officer, Agribusiness officer, Extension officer, Sales representative.



BACHELOR OF APPLIED SCIENCE (AGROTECHNOLOGY) WITH HONOURS

UPU CODE: **UL6621001**
DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**
TOTAL CREDITS: **122 CREDITS**

Unleash the potential of agriculture with our comprehensive Agrotechnology program. Through technology-based management and crop expertise, we empower you to drive productivity, competitiveness, and sustainability in agriculture industry. Explore the latest advancements in precision farming, while also cultivating the entrepreneurial skills to succeed in the dynamic world of agriculture. Collaborate with agricultural agencies, harness our vast natural resources, and ensure a steady food supply for better future. Join us today to become a catalyst for positive change, addressing challenges, and forging a prosperous future. Enroll now to embark on an exciting career that combines cutting-edge technology in agriculture and entrepreneurial spirit.

Potential Job Opportunities

- Researcher, Agriculturist, Environmental protection officer, Manager of plantation/ agriculture company, Setting up own company - self employed, Research officer, Agribusiness officer, Lecturer.

BACHELOR OF APPLIED SCIENCE (PRODUCT DEVELOPMENT TECHNOLOGY) WITH HONOURS

UPU CODE: **UL6540001**
DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**
TOTAL CREDITS: **122 CREDITS**

Bachelor of Applied Science (Product Development Technology) with Honours programme aims to produce an agro-product executive in integrated product development. This programme will provide opportunities for students in mastering various knowledge and skills to develop a new or enhance existing products to meet customer expectations. The product includes food, cosmetics, biomass and others. The students will conduct research, develop proposals, create policies and monitor the development process. The curriculum of this programme covers market analysis, product design, processing of raw materials, upscaling, packaging, product analysis, commercialisation and intellectual properties.

Potential Job Opportunities

- Science officer, Researcher, Product executive/ Technologist, R&D executive, Lecturer, Quality control/ Assurance executive, Bio/ Agro-based Entrepreneur.

BACHELOR OF APPLIED SCIENCE (FOOD SECURITY) WITH HONOURS

UPU CODE: **UL6541001**
DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**
TOTAL CREDITS: **127 CREDITS**

Bachelor of Applied Science (Food Security) with Honours programme at UMK is a new programme offered by a public university (UMK) in Malaysia. The creation of the programme is in line with Malaysia's Food Security Policy to ensure sufficient and sustainable food supply for the country. Graduates in this programme will be exposed to relevant aspects of plant and animal based product development, leading to the awareness of nation's food security aspiration. Their ability to design better food products' quality for the community will be enhanced through latest technology applications. These can be achieved by allowing them to endure research and development which will improve food products' commercial values.

Potential Job Opportunities

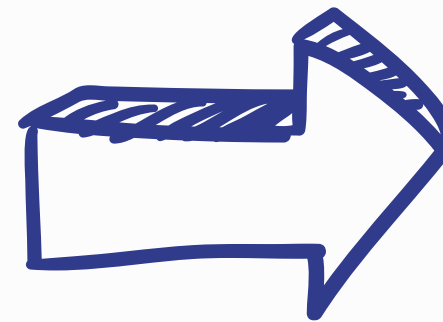
- Manager / Executive positions in various industries including Animal farming, Food industries and agro based industries, Science officer, Research officer, Lecturer, Entrepreneur.



SYARAT KEMASUKAN KE PROGRAM PENGAJIAN DI FIAT (MATRIKULASI/ASASI)

PROGRAM PENGAJIAN DI FAKULTI INDUSTRI ASAS TANI

- **AGROTEKNOLOGI**
(SBL - UL6621001)
- 2. SAINS PETERNAKAN**
(SBH - UL6620001)
- 3. TEKNOLOGI PEMBANGUNAN
PRODUK (SBP - UL6540001)**
- 4. JAMINAN MAKANAN**
(SBF - UL6541001)



MEMENUHI SYARAT AM UNIVERSITI DAN SYARAT KHAS PROGRAM

MENDAPAT MINIMUM PNGK 2.00

DAN

**MENDAPAT SEKURANG - KURANGNYA GRED "C" DI
PERINGKAT MATRIKULASI/ ASASI DALAM MANA - MANA
SATU (1) DARIPADA SUBJEK SEPERTI BERIKUT:**

- A. KIMIA**
- B. MATEMATIK**
- C. BIOLOGI**
- D. FIZIK**
- E. KEJURUTERAAN ASAS**
- F. KIMIA (KEJURUTERAAN)**
- G. FIZIK (KEJURUTERAAN)**
- H. SAINS KOMPUTER**

DAN

MENDAPAT MINIMUM BAND MUET 2.0 KE ATAS

SYARAT KEMASUKAN KE PROGRAM PENGAJIAN DI FIAT (STPM)

MEMENUHI SYARAT AM UNIVERSITI DAN SYARAT KHAS PROGRAM

MENDAPAT MINIMUM PNGK 2.00

DAN

MENDAPAT SEKURANG - KURANGNYA GRED "C" DI PERINGKAT STPM DALAM MANA - MANA
SATU (1) DARIPADA SUBJEK SEPERTI BERIKUT:

- BIOLOGI, FIZIK, KIMIA, MATEMATIK (T), MATEMATIK (M), EKONOMI, PENGAJIAN PERNIAGAAN, SAINS SUKAN, TEKNOLOGI MAKLUMAT DAN KOMUNIKASI, SENI VISUAL, PERAKAUNAN

DAN

MENDAPAT MINIMUM GRED "D" DI PERINGKAT SPM DALAM MANA - MANA SATU (1)
DARIPADA SUBJEK SEPERTI BERIKUT:

- BIOLOGI, FIZIK, KIMIA, MATEMATIK TAMBAHAN, SAINS TAMBAHAN

ATAU

MENDAPAT MINIMUM GRED "C" DI PERINGKAT SPM DALAM MANA - MANA SATU (1)
DARIPADA SUBJEK SEPERTI BERIKUT:

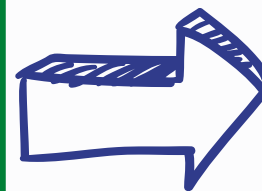
- SAINS, MATEMATIK, SAINS PERTANIAN, PEMROSESAN MAKANAN, LANDSKAP DAN NUTRISI, AKUAKULTUR DAN HAIWAN REKREASI, TANAMAN MAKANAN, REKA CIPTA, LUKISAN KEJURUTERAAN, PENGAJIAN KEJURUTERAAN (AWAM & ELEKTRIK & MEKANIKAL)

DAN

MENDAPAT MINIMUM BAND MUET 2.0 KE ATAS

PROGRAM PENGAJIAN DI FAKULTI INDUSTRI ASAS TANI

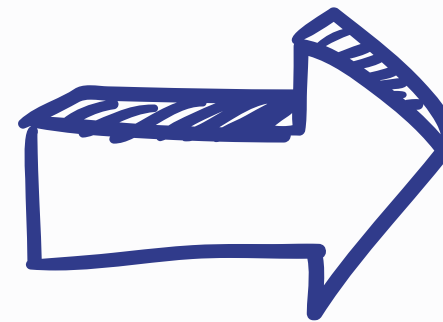
- AGROTEKNOLOGI
(SBL - UL6621001)
- 2. SAINS PETERNAKAN
(SBH - UL6620001)
- 3. TEKNOLOGI PEMBANGUNAN
PRODUK (SBP - UL6540001)
- 4. JAMINAN MAKANAN
(SBF - UL6541001)



SYARAT KEMASUKAN KE PROGRAM PENGAJIAN DI FIAT (DIPLOMA)

PROGRAM PENGAJIAN DI FAKULTI INDUSTRI ASAS TANI

- **AGROTEKNOLOGI**
(SBL - UL6621001)
- 2. SAINS PETERNAKAN**
(SBH - UL6620001)
- 3. TEKNOLOGI PEMBANGUNAN
PRODUK (SBP - UL6540001)**
- 4. JAMINAN MAKANAN**
(SBF - UL6541001)



MEMENUHI SYARAT AM UNIVERSITI DAN SYARAT KHAS PROGRAM

MENDAPAT MINIMUM PNGK 2.00

DAN

**MEMILIKI DIPLOMA ATAU DIPLOMA KEMAHIRAN
MALAYSIA (DKM) ATAU DIPLOMA LANJUTAN
KEMAHIRAN MALAYSIA (DLKM) ATAU DIPLOMA
VOKASIONAL MALAYSIA (DVM) DALAM BIDANG
BERKAITAN DARI INSTITUSI YANG DIKTIRAF OLEH
KERAJAAN SERTA PIHAK MQA DAN DIPERAKUKAN
OLEH SENAT UMK**

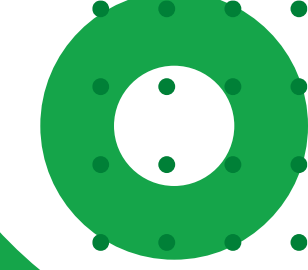
ATAU

**MEMLIKI KELULUSAN LAIN YANG DIKTIRAF SETARAF
DENGANNYA OLEH KERAJAAN MALAYSIA DAN
DIPERAKUKAN OLEH SENAT UMK**

DAN

MENDAPAT MINIMUM BAND MUET 2.0 KE ATAS

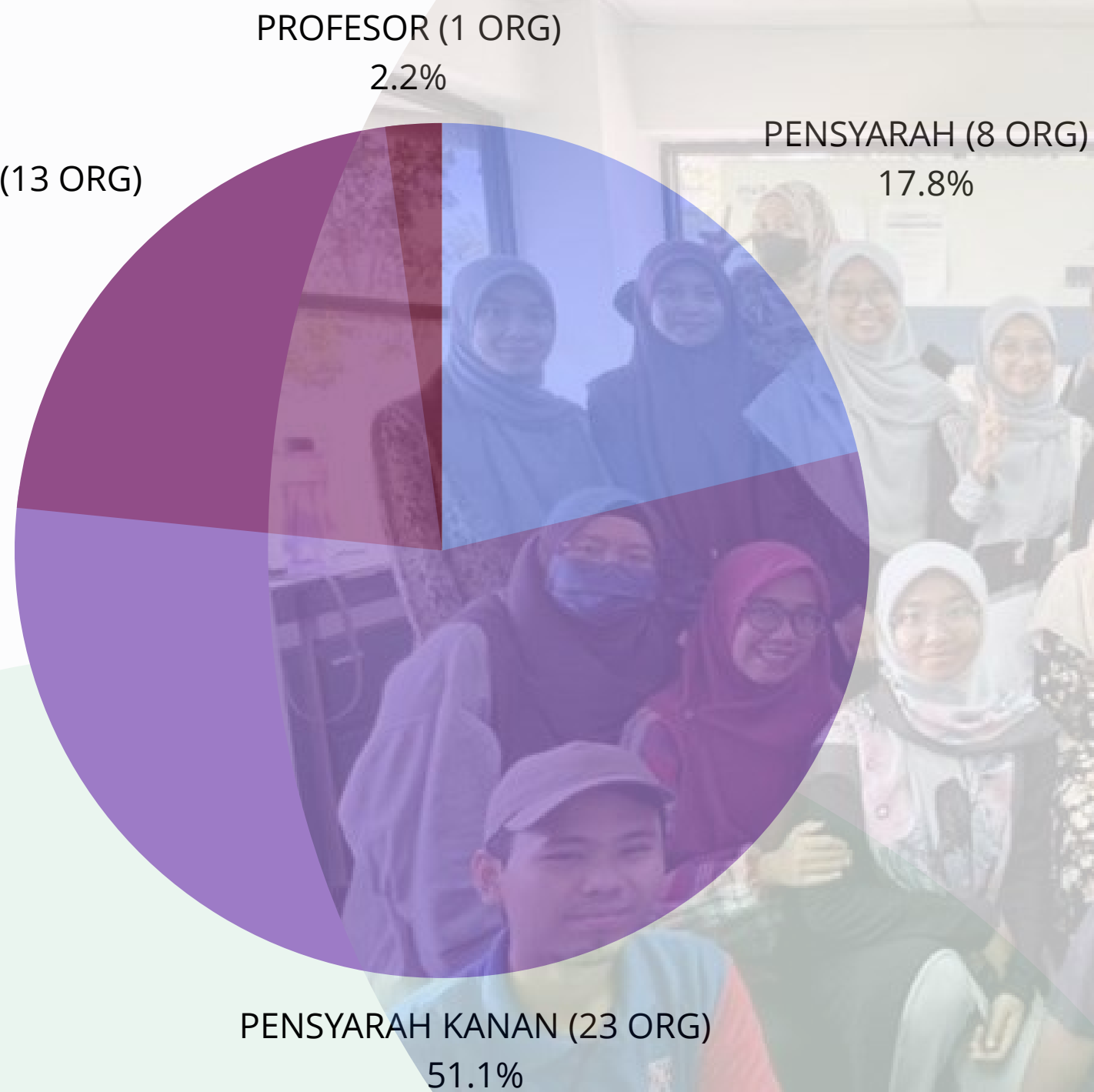
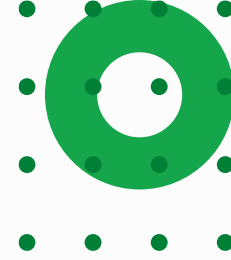
STATISTIK PELAJAR AKTIF FIAT



PROGRAM PASCASISWAZAH	JUMLAH
SARJANA SAINS (MSc)	35
DOKTOR FALSAFAH (PhD)	15
JUMLAH	50

PROGRAM PRASISWAZAH	TAHUN 1 (KOHORT F24)	TAHUN 2 (KOHORT F23)	TAHUN 3 (KOHORT F22)	TAHUN 4 (KOHORT F21)	JUMLAH (PROGRAM)
SBL/ SFA	64	83	40	60	247
SBH/ SFH	61	85	37	45	228
SBP/ SFP	44	77	23	46	190
SBF	89	95	34	64	282
JUMLAH (TAHUN)	258	340	134	215	947

STATISTIK STAF FIAT (AKADEMIK)

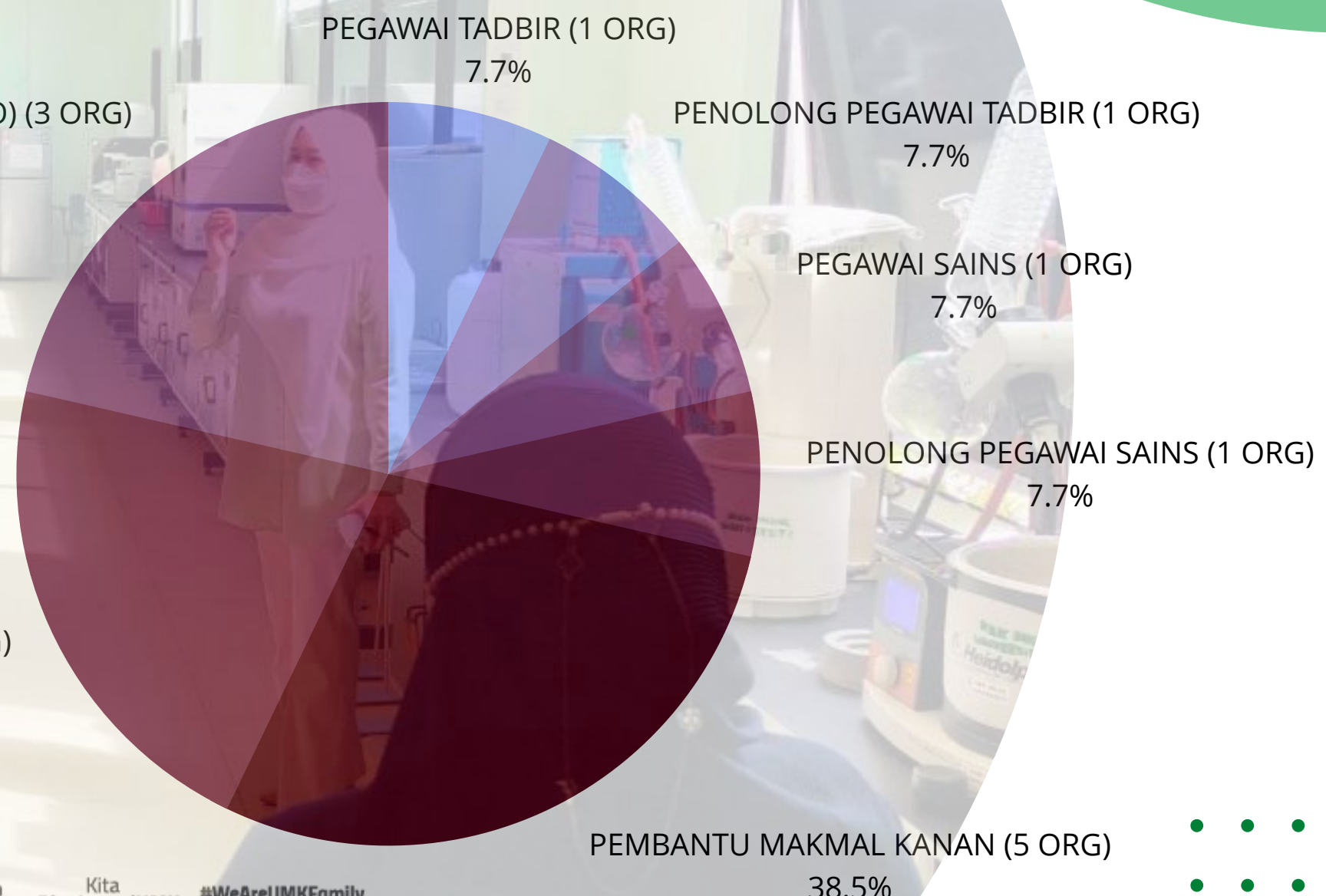


PROGRAM	JUMLAH PENSYARAH	JUMLAH PELAJAR	RATIO PENSYARAH : PELAJAR
SBL/SFA	11	247	1: 22.5
SBH/SFH	11	228	1:20.7
SBP/SFP	12	190	1:15.8
SBF	11	282	1:25.6
JUMLAH	45	947	1:21

RATIO IDEAL PROGRAM SAINS PENSYARAH : PELAJAR	MQA & MBOT 1 : 20
--	----------------------------------

STATISTIK STAF FIAT (BUKAN AKADEMIK)

STAF	JUMLAH STAF
MAKMAL	8
PENTADBIRAN	5
JUMLAH	13



FASILITI DAN KEMUDAHAN FIAT



**MAKMAL
TEKNOLOGI
MAKANAN**



**MAKMAL
KULTUR
TISU**



**MAKMAL
KIMIA**



**MAKMAL
BIOLOGI 1**



**MAKMAL
BIOLOGI 2**



**MAKMAL
BIOLOGI 3**



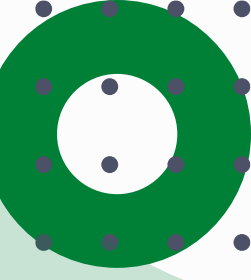
**MAKMAL
PASCA
SISWAZAH 1**



**MAKMAL
PASCA
SISWAZAH 2**



**MAKMAL
INSTRUMENTASI**



2

SOROTAN AKTIVITI FIAT





KARNIVAL INDUSTRI ASAS TANI (AGX) 2022 3-5 JUN 2022 UMK KAMPUS JELI



PROGRAM "SIMPOSIUM PASCASISWAZAH ANTARABANGSA FIAT 05 DENGAN KOLABORASI BERSAMA SIMPOSIUM PRASISWAZAH FIAT 01 SECARA HIBRID"

- Program dianjurkan pada 18 dan 19 Januari 2023
- Melibatkan penyertaan daripada 40 pelajar pascasiswazah (hibrid) dan 220 pelajar prasiswazah (fizikal) di UMK Kampus Jeli



SIGNATURE PROGRAM FIAT



**PROGRAM MOBILITI BERKREDIT (INBOUND)
MELIBATKAN UNIVERSITI LUAR NEGARA
ANGRAU DAN UHS, INDIA
UNPAD, INDONESIA**



AKTIVITI FIAT



SESI WEBINAR

PROGRAM KHIDMAT KOMUNITI



AKTIVITI FIAT

PROGRAM PEMBELAJARAN SEPANJANG HAYAT

PROGRAM BERSAMA PELAJAR DAN ALUMNI



SEMSEL
STRISI HAIWA

RM99 SAHAJA!

Penceramah dari JPV dan industri yang sangat berpengalaman!!

Demonstrasi dan Hands-ons dalam pembuatan makanan ruminan

Makanan disediakan

Sijil dari JPV & nota akan diberikan

10.00 PAGI - 5.00 PETANG
15 FEBRUARI 2022

BUS ASAS KULTUR TISU

Tarikh : 4 Jun 2022 (Sabtu)
Masa : 9 pagi - 5 petang
Tempat : Makmal Kultur Tisu, UMK Kampus Jeli

Pendaftaran: **RM50**
BERHAD 20
SAT SAHAJA

QR Code

- Khusus untuk sesiapa yang berminat mendalami teknik kultur tisu seperti usahawantani, orang awam dan pelajar
- Pembelajaran secara teori serta demonstrasi pembuatan media dan teknik kultur tisu
- Makanan dan sijil

Pendaftaran : Imej QR code ini



BAR ALUMNI
RA SANTAI BERSAMA ALUMNI
Siri 1/2022

Program Teknologi Pembangunan Produk
Fakulti Industri Asas Tani

Panel 1: **Dr. Alpro Pharmacy**
Panel 2: **S&D Executive, VNI Scientific Sdn. Bhd.**

TARIKH: 16 FEBRUARI 2022 (RABU)
MASA: 10.00 - 11.00 PAGI



UNIVERSITI MALAYSIA KELANTAN
KAMPUS JELI

FAKULTI INDUSTRI ASAS TANI (FIAT)
IMMERSION DAY 2022
FOR YEAR 1 & 2

ORGANISER: SBH, UMK, FAKULTI INDUSTRI ASAS TANI

DATE: 10 NOVEMBER 2022
TIME: 10:00 AM - 1:30 PM
VENUE: DEWAN UTAMA

AKTIVITI FIAT

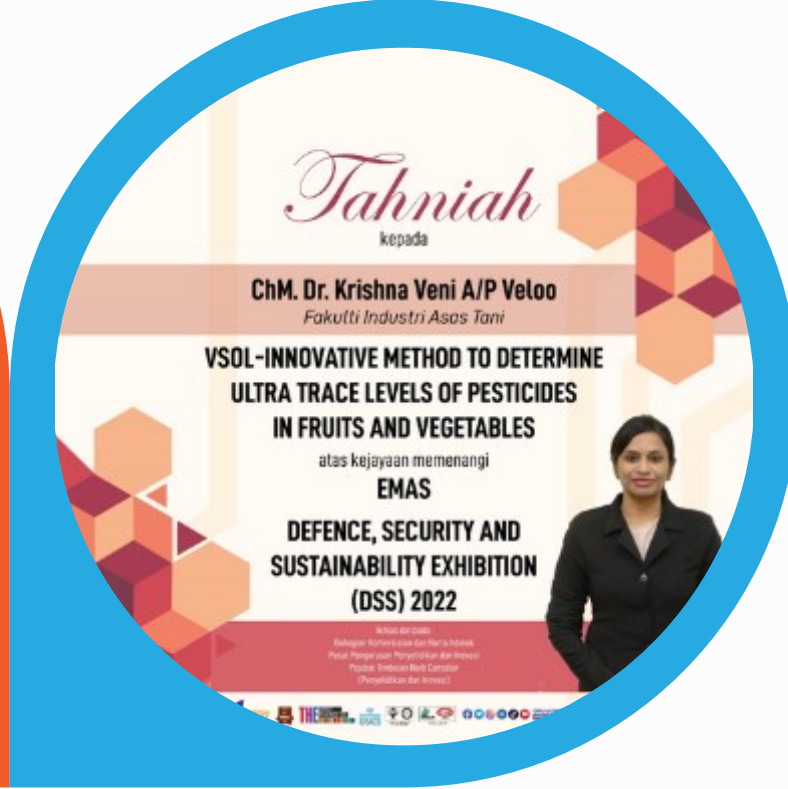


GERAN PENYELIDIKAN

PENERBITAN



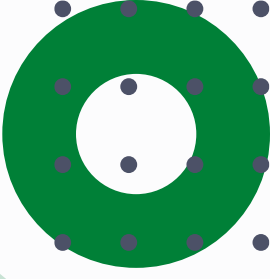
AKTIVITI FIAT



ANUGERAH PENYELIDIKAN

PATEN PENYELIDIKAN



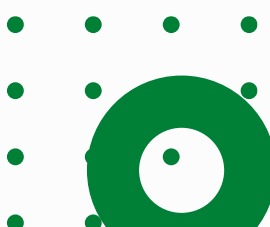


KARNIVAL INDUSTRI ASAS TANI (AGX)

PROJEK UMK - MOF SOCIAL ENTERPRISE PROJECT

AGX 2022

AGX 2019



AKTIVITI KEUSAHAWANAN FIAT



Tahniah

NUR AMIRA BINTI AZMI
FAKULTI INDUSTRI & ASAS TANI
RM 40,000.00
DI ATAS KEJAYAAN MEMPEROLEHI GERAN DALAM PERTANDINGAN MALAYSIA SOCIAL INNOVATION ACCELERATOR PROGRAM (MYSIAP)

Tajuk Projek :
Gummi Cuka Rambutan
Perasa Tembikai

Prof. Madya Dr. Seri Intan Binti Mokhtar
PENSYARAH PEMBIMBING
FAKULTI INDUSTRI & ASAS TANI

MALAYSIA SOCIAL INNOVATION ACCELERATOR PROGRAM (MYSIAP)



Congratulations

FRUIT4THOUGHT TEAM
for winning

Social Entrepreneurship Acceleration (SEA) Competition 2021
Swiss-ASEAN Learning and Teaching (SALT)

MENTOR

NUR HAZIRAH BINTI MOHD HUSSAIN (FIAT)
NUR AMIRA BINTI AZMI (FIAT)
NURUL BINTI

SOCIAL ENTREPRENEURSHIP ACCELERATION (SEA) COOPETITION SWISS ASEAN LEARNING & TEACHING (SALT)



Tahniah

NUR DINI DAYANA BINTI ZAMZURI
FAKULTI INDUSTRI & ASAS TANI
RM 40,000.00
DI ATAS KEJAYAAN MEMPEROLEHI GERAN DALAM PERTANDINGAN MALAYSIA SOCIAL INNOVATION ACCELERATOR PROGRAM (MYSIAP)

Tajuk Projek :
Massage Bar Added with Watermelon Skin Extract and Mints

Ts. Dr. Siti Nuurul Huda Binti Mohammad Azmin
PENSYARAH PEMBIMBING
FAKULTI INDUSTRI & ASAS TANI



Tahniah

FAZILAWATI BINTI SHAARI
FAKULTI INDUSTRI & ASAS TANI
RM 40,000.00
DI ATAS KEJAYAAN MEMPEROLEHI GERAN DALAM PERTANDINGAN MALAYSIA SOCIAL INNOVATION ACCELERATOR PROGRAM (MYSIAP)

Tajuk Projek :
Biskuit Guava Pomace Powder Bread Making

Dr. Khemalzan binti Abdul Kadir Pahrulzaman
PENSYARAH PEMBIMBING

Dr. Nurhanan binti Abdul Rahman
PENSYARAH PEMBIMBING

2022

A) PERATUS USAHAWAN PELAJAR FIAT - 20.5% (PELAJAR AKTIF FIAT)

B) PERATUS GRADUAN USAHAWAN FIAT - 9.1% (PELAJAR BERGRADUAT TAHUN 2021)



Tahniah

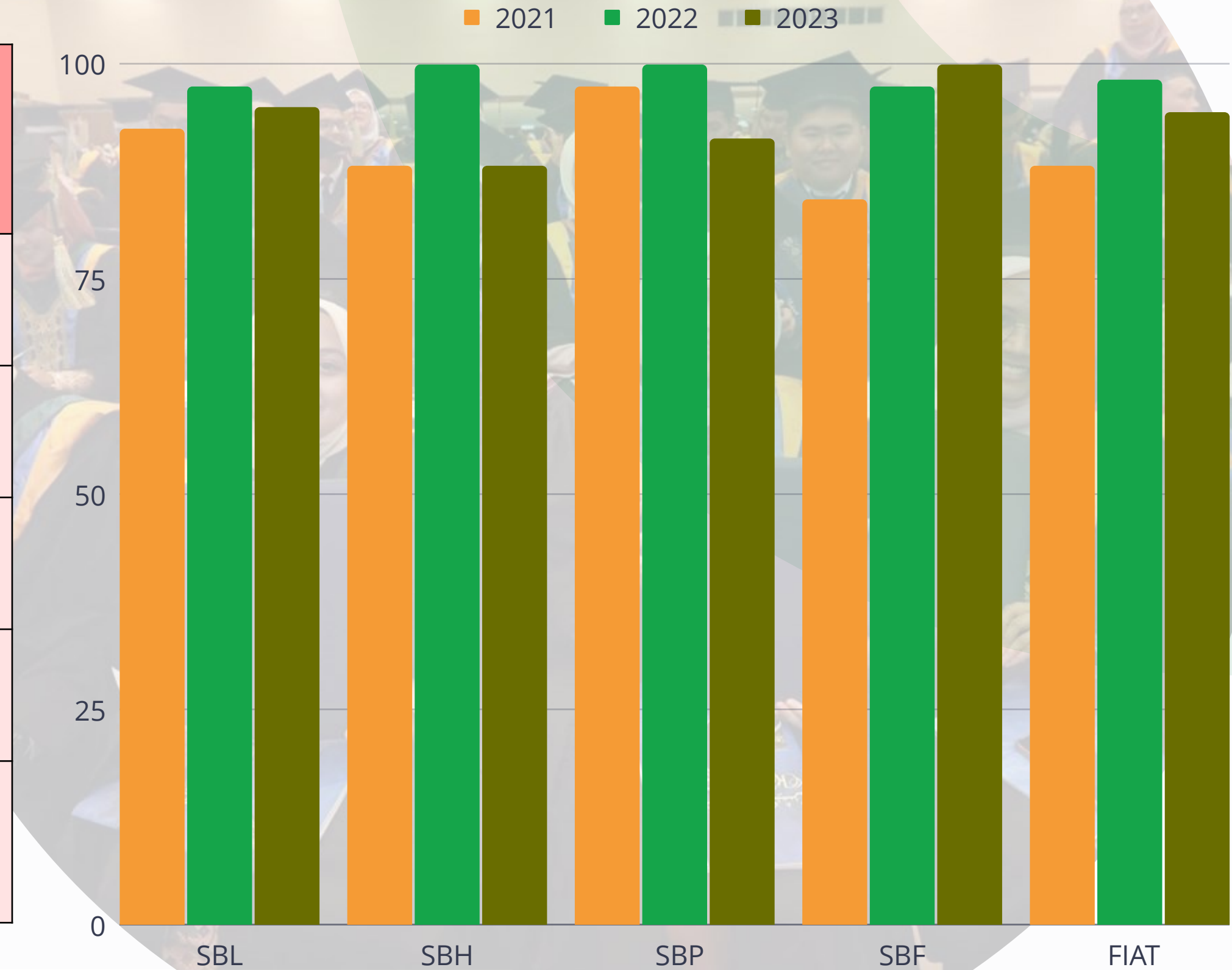
ANUGERAH KHAS ALUMNI@UMK (MILLION DOLLAR AWARD)

MOHD HAFIZUDDIN HIEW BIN ABDULLAH
(TDC HOLDING SDN BHD)

TROFI • SIJIL

DATA KEBOLEHPASARAN GRADUAN (GE) FIAT

% GE MENGIKUT TAHUN/ PROGRAM	2021	2022	2023
SBL	92.7	97.8	94.4
SBH	94.9	100.0	94.2
SBP	97.3	100.0	95.0
SBF	91.4	98.0	100.0
FIAT	94.0	98.9	96.0



ALUMNI FIAT YANG BERJAYA



HAKIMULLAH BIN KHABILU

Pengarah Urusan
Khabilu Manufacturing
(Alumni Program SBP)



MUHAMMAD HAFIZUDDIN HIEW BIN ABDULLAH

Pengasas TDC Holdings
Pemilik C2Joy, Alithera, Berry Mix
(Alumni Program SBS)



HARUN HAZIM BIN ZAKARIA

Pengasas
Bumi Agritech
(Alumni Program SBH)



LIONG TIONG SING

Usahawan Berjaya
Cendawan Tiram
(Alumni Program SBL)



HUBUNGI KAMI

FAKULTI INDUSTRI ASAS TANI UNIVERSITI MALAYSIA KELANTAN



TELEFON

09-9477440



LAMAN SESAWANG

www.fiat.umk.edu.my



ALAMAT

Fakulti Industri Asas Tani
Universiti Malaysia Kelantan
Kampus Jeli
17600, Jeli
Kelantan



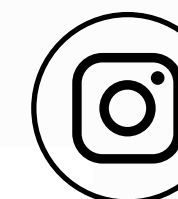
EMEL RASMI

fiat@umk.edu.my



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INSTAGRAM RASMI

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umkfiat/](http://www.instagram.com/umkfiat/)

JOM SERTAI KELUARGA FIAT

TERIMA
KASIH

