

**STRUKTUR PENGAJIAN BAGI  
PROGRAM SARJANA MUDA SAINS GUNAAN (AGROTEKNOLOGI) DENGAN KEPUJIAN  
(SFA - JUMLAH 122 KREDIT)**

	SEMESTER 1			SEMESTER 2			
TAHUN PENGAJIAN	KOD	KURSUS	KREDIT	KOD	KURSUS	KREDIT	
I	UK_1__1	Ko-kurikulum (1)	1	UK_1__1	Ko-kurikulum (2)	1	
	UBI1__2	Bahasa Inggeris (1)	2	UBI1__2	Bahasa Inggeris (2)	2	
	ATF10203	Asas Keusahawanan	3	ATF10303	Gelagat Usahawan	3	
	USK10102	Falsafah dan Isu Semasa	2	FFT10403	Biokimia	3	
	FFT10103	Mikrobiologi	3	FFT10503	Biodiversiti	3	
	FFT10203	Kimia Organik	3	FFT10603	Matematik Gunaan dalam Pertanian	3	
	FFT10302	Pengenalan kepada Industri Asas Tani	2	FAT10103	Pengenalan Genetik	3	
		<b>JUMLAH KREDIT</b>		<b>16</b>		<b>JUMLAH KREDIT</b>	
II	<b>SEMESTER 1</b>			<b>SEMESTER 2</b>			
	UB_2012	Bahasa Asing (1)	2	UB_2022	Bahasa Asing (2)	2	
	UIE30102	Integriti Dan Anti Rasuah	2	USK10202	Penghayatan Etika dan Peradaban	2	
	UBI2__2	Bahasa Inggeris (3)	2	FAT20303	Sains Tanah	3	
	FFT20103	Teknik Analitikal dan Instrumentasi	3	FAT20403	Pengurusan Ladang	3	
	FAT20103	Biologi Tanaman Ekonomi	3	FAT20503	Pembiakbakaan Tanaman	3	
	FAT20203	Fisiologi Tumbuhan	3	EP I/3	Elektif Program (1)	3	
		<b>JUMLAH KREDIT</b>		<b>15</b>		<b>JUMLAH KREDIT</b>	
III	<b>SEMESTER 1</b>			<b>SEMESTER 2</b>			
	FFT30103	Statistik Asas	3	FFT30202	Projek Penyelidikan (1)	2	
	FAT30103	Pengurusan Perosak Bersepadu	3	FFT30302	Pengembangan Industri Asas Tani	2	
	FAT30203	Teknologi Pengeluaran Hasil Pertanian	3	FAT30403	Pemasaran Pertanian	3	
	FAT30302	Pertanian Persis	2	FAT30503	Teknologi Lepas Tuai	3	
	EP II/3	Elektif Program (2)	3	FAT30603	Internet Benda (IoT) dalam Pertanian	3	
	EP III/3	Elektif Program (3)	3	EP IV/3	Elektif Program (4)	3	
				EP V/3	Elektif Program (5)	3	
	<b>JUMLAH KREDIT</b>		<b>17</b>		<b>JUMLAH KREDIT</b>		<b>19</b>
IV	<b>SEMESTER 1</b>			<b>SEMESTER 2</b>			
	FFT40104	Projek Penyelidikan (2)	4	FFT40208	Latihan Industri	8	
	EP VI/3	Elektif Program (6)	3				
	EP VII/3	Elektif Program (7)	3				
	EP VIII/3	Elektif Program (8)	3				
	<b>JUMLAH KREDIT</b>		<b>13</b>		<b>JUMLAH KREDIT</b>		<b>8</b>

**CURRICULUM STRUCTURE FOR  
BACHELOR OF APPLIED SCIENCE (AGROTECHNOLOGY) WITH HONOURS  
(SFA – TOTAL 122 CREDIT)**

	SEMESTER 1			SEMESTER 2		
YEAR OF STUDY	CODE	COURSE	CREDIT	CODE	COURSE	CREDIT
I	UK_1_1	Co-curriculum (1)	1	UK_1_1	Co-curriculum (2)	1
	UBI1_2	English (1)	2	UBI1_2	English (2)	2
	ATF10203	Foundation of Entrepreneurship	3	ATF10303	Entrepreneurial Behaviour	3
	USK10102	Philosophy and Current Issues	2	FFT10403	Biochemistry	3
	FFT10103	Microbiology	3	FFT10503	Biodiversity	3
	FFT10203	Organic Chemistry	3	FFT10603	Applied Mathematic in Agriculture	3
	FFT10302	Introduction to Agro-Based Industry	2	FAT10103	Introduction to Genetics	3
	<b>TOTAL CREDIT</b>		<b>16</b>	<b>TOTAL CREDIT</b>		<b>18</b>
II	<b>SEMESTER 1</b>			<b>SEMESTER 2</b>		
	UB_2012	Foreign Language (1)	2	UB_2022	Foreign Language (2)	2
	UIE30102	Integrity And Anti-Corruption	2	USK10202	Appreciation of Ethics and Civilization	2
	UBI2_2	English (3)	2	FAT20303	Soil Science	3
	FFT20103	Analytical Techniques and Instrumentation	3	FAT20403	Farm Management	3
	FAT20103	Biology of Economic Crops	3	FAT20503	Plant Breeding	3
	FAT20203	Plant Physiology	3	EP I/3	Program Elective (1)	3
	<b>TOTAL CREDIT</b>		<b>15</b>	<b>TOTAL CREDIT</b>		<b>16</b>
III	<b>SEMESTER 1</b>			<b>SEMESTER 2</b>		
	FFT30103	Basic Statistics	3	FFT30202	Research Project (1)	2
	FAT30103	Integrated Pest Management	3	FFT30302	Extension of Agro-Based Industry	2
	FAT30203	Agriculture Production Technology	3	FAT30403	Agricultural Marketing	3
	FAT30302	Precision Farming	2	FAT30503	Postharvest Technology	3
	EP II/3	Program Elective (2)	3	FAT30603	Internet of Things (IoT) in Agriculture	3
	EP III/3	Program Elective (3)	3	EP IV/3	Program Elective (4)	3
			EP V/3	Program Elective (5)	3	
	<b>TOTAL CREDIT</b>		<b>17</b>	<b>TOTAL CREDIT</b>		<b>19</b>
IV	<b>SEMESTER 1</b>			<b>SEMESTER 2</b>		
	FFT40104	Research Project (2)	4	FFT40208	Industrial Internship	8
	EP VI/3	Program Elective (6)	3			
	EP VII/3	Program Elective (7)	3			
	EP VIII/3	Program Elective (8)	3			
	<b>TOTAL CREDIT</b>		<b>13</b>	<b>TOTAL CREDIT</b>		<b>8</b>