

INNOVATION PITCH & BUSINESS MATCHING (IPBM 2019) - FOOD-TECH AND AGRICULTURE TECHNOLOGY

NO	MAIN RESEARCHER	UNIVERSITIES	NAME OF INVENTIONS	DESCRIPTION OF INVENTIONS	TECHNOLOGY CATEGORY	INVENTION STATUS
1	Azmi Bin Harun	Universiti Malaysia Perlis (UniMAP)	2 in 1' Coconut Milk Extracting Machine	A "2 in 1"™ Coconut Milk Extracting Machine is invented to grate and extracts coconut flesh efficiently to get coconut milk in order to improve the productivity in shorted time operation, minimize area used and reduce the electricity cost. The concept of this machine is combination between grater with extractor in one machine to produce coconut milk in shorten operating time. The novelty of "2 in 1"™ Coconut Milk Extracting Machine is, machine can operate both of grater and extractor at one time operation. But, this machine also can operate separately either only grater or extractor.	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED
2	Ts. Dr. Zulkifli Bin Husin	Universiti Malaysia Perlis (UniMAP)	Automated Fruit Grading System	This prototype able to use three characteristics such as view, smell and touch, which has capable to determine ripeness in different fruits. This prototype able to collect and analyse data from Pre- and Post-Harvest process. The novelty of this product are (a) Able to distinguish a fruit	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED

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				maturity and weevil presence without subjecting any damage to the fruit under test; (b) A new portable device and new industrial layout design for fruits maturity and weevil presence testing using computer based system for non-destructive technique; (c) Reliable and promising technology for mass production; (d) Utilizing low frequency and cost effective technology.		
3	Ts. Dr. Tan Chan Sin	Universiti Malaysia Perlis (UniMAP)	AUTO-BUBBLE RAW EDIBLE BIRDNEST CLEANING MACHINE	A machine desgined to reduce the time comsuming for labor cleaning	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED
4	Rosfatihah Roslim	Universiti Malaysia Perlis (UniMAP)	Harumanis Healthy Harmony	Lifestyle personal care products from clean agriculture consist of 5in1 skin care product, namely soap, facial cleanser, sunscreen/moisturizing lotion, rejuvenating serum and lipbalm. The main active ingredient is Harumanis Leaf extract, which is rich in bioactive compounds; to improve texture and condition	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED

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				of our skin. It is formulated specifically for career and modern consumers for daily usage. Facial cleanser and sunscreen/moisturizing lotion are meant to be used in the morning for complete moisturizing and protection from sun, while facial cleanser and rejuvenating serum at night for improvement and repair of skin texture. Whilst soap for body, and lipbalm for daily usage for total lip protection.		
5	Rosfatihah Roslim	Universiti Malaysia Perlis (UniMAP)	Synergy Effect of Plants for Personal Care	Lifestyle personal care products from clean agriculture consist of head to toe personal care product, namely soap, facial cleanser, sunscreen/moisturizing lotion, rejuvenating serum and scrub/masker. The main active ingredient is combination of three plant extracts, which is rich in bioactive compounds; to improve texture and condition of our skin. It is formulated specifically for career and modern consumers for daily usage. The personal care product is for use in eczema, minor skin condition, whitening,	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED

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				<p>pore reducing, itchy skin, anti-inflammation, anti-mosquito, anti-bug, anti-blackhead, detox, firming, flattened, anti-acne, scar reducing, un-even skin tone, sensitive, peeling, moisturizing, soothing, fine lines, wrinkling, hyperpigmentation, sallowness, sagging, dark under-eye circles, puffy eyes, diminished rate of skin cell turnover, flaking, scaling, dryness, roughness, bleaching, split ends, fragility, hair loss and dandruff.</p>		
6	Ahmad Azudin Bin Nordin	Universiti Malaysia Perlis (UniMAP)	Composition For Skin Product From Extract Of Mangifera Indica And Derris Elliptica	<p>The skin product comprise of composition for skin repellent and protection. The products incorporate extract of Mangifera indica and Derris elliptica (Tuba). This composition of skin product demonstrated that product was not limited to mosquitoes, but extends to other biting flies or insects and also covered skin protection and healing. The skin products focus on composition for skin whereas the preferred composition for skin products are lotion/cream, balm and mist sprayer.</p>	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED

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7	Mohd Hishamuddin Bin Che Mat	Universiti Malaysia Perlis (UniMAP)	Plant based Sambal	The production of plant-based Sambal comprises of healthy and delicious super-fruit and plant parts.	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED
8	Mohd Hishamuddin Bin Che Mat	Universiti Malaysia Perlis (UniMAP)	Neem cream	The formulation of neem cream for reducing the skin disease like skin irritation, itchy skin, mange and eczema and antimicrobial studies of the cream.	Food-tech and Agriculture Technology	PATENT/READY TO COMMERCIALISED
9	Zarina binti Zakaria	Universiti Malaysia Perlis (UniMAP)	HP-OYSPORE : High Performance Oyster Mushroom Spawn	HP-OYSPORE is a newly innovated mushroom spawn using techniques that resulted in few advantages over existing commercial spawn. Those advantages are identified as a relatively longer shelf life for longer storage, a relatively fast colonization and high production yield. Mushroom cultivated from this spawn also had showed good morphology features such as larger cap and thicker texture. This technique also lower in costing since its shorten the duration of spawn preparation time from 28 to 17 days.	Food-tech and Agriculture Technology	READY TO COMMERCIALISED

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10	Maaspaliza Azri	UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTeM)	E-IV 3000	E-IV 3000 is a product of low cost and high power efficiency three phase inverter for renewable energy application. The advantages of this product are it is low cost compared to the conventional inverter, high power output, robust switching scheme and easy to control in terms of the amplitude and frequency modulation index. The switching signal can be easily uploaded to the microcontroller via Simulink/MATLAB simulation tools and does not need complex programming. This project can be installed not only in rural areas but also for standalone solar system and agriculture technology.	Food-tech and Agriculture Technology	PROTOTYPE
11	Dr Abd Jamil Zakaria	Universiti Sultan Zainal Abidin (UniSZA)	Superb Dairy Fertilizer (SDF)	Superb Dairy Fertilizer (SDF) was formulated to provide balanced nutrients needed by fodder to support high quantity and quality of lactation. The balance combination of nitrogen, phosphorus, potassium, calcium with trace elements (TE), organic materials (OM) and effective microbes (EM) in SDF was proven to give a positive	Food-tech and Agriculture Technology	READY TO COMMERCIALISED

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				impacts on pastures and milk. SDF gives healthy pastures for healthy ruminants with increased quantity and quality of fodder and milk. It is the new innovative fertilizer in dairy industry that gives perfect balance of nutrients to improve fodder and milk productions in an economic way thus increase entrepreneur's income.		
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