



CURRICULUM VITAE

DR MOHD HILMI BIN ABU BAKAR

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ACADEMIC QUALIFICATION

1.	BSc Hons (Biology-Microbiology): Universiti Sains Malaysia	2002
2.	MSc (Stem Cells) : Universiti Sains Malaysia	2008
3.	PhD (Science Reconstructive) : Universiti Sains Malaysia	20014

WORKING EXPERIENCE

1.	Lecturer, Universiti Sultan Zainal Abidin	Sept 2014 - present
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FIELD OF SPECIALIZATION

1.	Stem cells
2.	Skin tissue engineering
3.	Biomaterials
4.	Wound healing

PUBLICATION - List 5 Significant Journal Publications (Latest)

1.	Mohd Hilmi A, Hassan A, Halim AS: A Bilayer Engineered Skin Substitute for Wound Repair in an Irradiation-Impeded Healing Model on Rat. <i>Advances in wound care</i> 2015, 4(5):312-320.
2.	Hilmi ABM, Halim AS: Vital roles of stem cells and biomaterials in skin tissue engineering. <i>World journal of stem cells</i> 2015, 7(2):428.
3.	Hilmi ABM, Halim AS, Hassan A, Lim CK, Noorsal K, Zainol I: In vitro characterization of a chitosan skin regenerating template as a scaffold for cells cultivation. <i>SpringerPlus</i> 2013, 2(1):1-9.
4.	Mohd Hilmi AB, Halim AS, Jaafar H, Asiah AB, Hassan A: Chitosan Dermal Substitute and Chitosan Skin Substitute Contribute to Accelerated Full-Thickness Wound Healing in Irradiated Rats. <i>BioMed research international</i> 2013, 2013.
5.	Hilmi ABM, Halim AS, Noor NM, et al. A simple culture method for epithelial stem cells derived from human hair follicle. <i>Cent Eur J Biol</i> 2013; 8:432-439.

RESEARCH / CONSULTANCY / INNOVATION

(maximum of three (3) projects research titles or grant i.e. active/complete project)

1.	Unravelling The Role Of Transient Receptor Potential Vanilloid 4 (Trpv4) And Its Therapeutic Potential In Human Colorectal Cancer Cells. 2016. Skim Geran Penyelidikan Fundamental (FRGS)
2.	Evaluation of physiochemical properties and antimicrobial activities of stingless bee honey from <i>Trigona</i> species in Malaysian. 2015. Dana Penyelidikan Universiti