

**UNIVERSITY RESEARCH GRANT
FINAL REPORT**
*Geran Penyelidikan Universiti
Laporan Akhir*

A.	<p>TITLE OF RESEARCH: <i>Tajuk penyelidikan:</i></p> <p>A study on the microbiological and angiogenic properties of burn injuries treated with Tualang honey versus silver based dressing</p>
B.	<p>PERSONAL PARTICULARS OF RESEARCHER / MAKLUMAT PENYELIDIK:</p>
(i)	<p>Name of Research Leader: <i>Nama Ketua Penyelidik:</i> Prof. Dr. Ahmad Sukari Halim</p>
	<p>Name of Co-Researcher <i>Nama Penyelidik Bersama:</i> Dr. Ananda Aravazhi Dorai (Reconstructive Sciences Unit) Dr. Wan Azman Wan Sulaiman (Reconstructive Sciences Unit) Dr. Kirnpal Kaur Banga Singh (Dept. Of Microbiology) Dr. Md. Salzihan Salleh (Dept. Of Pathology) Mr. Lau Hut Yee (Reconstructive Sciences Unit) Ms Cik Fareha Aleas (Reconstructive Sciences Unit)</p>
(ii)	<p>School/Institute/Centre/Unit : <i>Pusat Pengajian /Institut/Pusat/Unit :</i> School of Medical Sciences, Reconstructive Sciences Unit</p>

C. Research Platform (Please tick (I) the appropriate box):

Pelantar Penyelidikan (Sila tanda (I) kotak berkenaan):

A. Life Sciences
Sains Hayat

B. Fundamental
Fundamental

C. Engineering & Technology
Kejuruteraan & Teknologi

D. Social Transformation
Transformasi Sosial

E. Information & Communications Technology (ICT)
Teknologi Maklumat & Komunikasi

F. Clinical Sciences
Sains Klinikal

G. Biomedical & Health Sciences
Bioperubatan Sains Kesihatan

D. Duration of this research :

Tempoh masa penyelidikan ini :

*Duration :3 tahun.....
Tempoh :

From :19/10/2007...
Dari:

To :30/09/2010...
Ke :

Extention:01/10/2010....
Dari:

To :30/04/2011....
Ke:

E. ABSTRACT OF RESEARCH

(An abstract of between 100 and 200 words must be prepared in **Bahasa Malaysia and in English**. This abstract will be included in the Annual Report of the Research and Innovation Section at a later date as a means of presenting the project findings of the researcher/s to the University and the community at large)

Abstrak Penyelidikan

(Perlu disediakan di antara 100 - 200 perkataan di dalam **Bahasa Malaysia dan juga Bahasa Inggeris**. Abstrak ini akan dimuatkan dalam Laporan Tahunan Bahagian Penyelidikan & inovasi sebagai satu cara untuk menyampaikan dapatan projek tuan/puan kepada pihak Universiti & masyarakat luar).

Please refer to Attachment I

F. SUMMARY OF RESEARCH FINDINGS

Ringkasan dapatan Projek Penyelidikan

Tualang honey was demonstrated to pose substantial bactericidal as well as bacteriostatic effect. The Aquacel dressing soaked with pure Tualang honey without any dilution was less sticky than manuka and was easier to apply as a dressing.

G. COMPREHENSIVE TECHNICAL REPORT

Laporan Teknikal Lengkap

Applicants are required to prepare a comprehensive technical report explaining the project.

(This report must be attached separately)

Sila sediakan laporan teknikal lengkap yang menerangkan keseluruhan projek ini.

[Laporan ini mesti dikepilkkan]

Please refer to Attachment II

List the key words that reflectour research:

Senaraikan kata kunci yang mencerminkan penyelidikan anda:

English	Bahasa Malaysia
Burn injuries, microbiological, Angiogenesis	Kecederaan terbakar, mikrobiologi, angiogenesis
Tualang honey	Madu tualang
Silver based dressing	Balutan berasaskan perak