LIST OF TABLES

Tables	Title	Pages
1.1	Intrinsic and extrinsic factors that affects wound healing process	17
1.2	General chemical composition of honey.	22
1.3	Trace elements in honey	24
2.1	Labeling of 21 selected honey samples for the honey purity test.	32
2.2	Guide for preparation of dilution for sample solution and reference solution.	34
2.3	Reading of HMF level in 21 selected samples (mg/kg)	39
2.4	Sugar profile of the 21 samples.	42
2.5	Mean of percentage of water content in 21 samples.	46
2.6	The reading of pH level of 21 samples (10 percent w/v)	47
2.7	Hydrogen peroxide level of 21 selected samples	49
2.8	Summary of the characteristics on both selected Malaysian honey	50
3.1	Grouping and treatments used in animal study	61
3.2	Macroscopic Wound Evaluation System adapted from Bates Jensen (2001) and Khoo et al. (2010).	65
3.3	Time required for the wound healing process in rats (n=6).	67
3.4	Longitudinal wound diameter of the rat in the five treatment groups.	75
3.5	Transverse wound diameter of the rat in the five treatments groups	75
3.6	Wound area (cm ²) of the rats in the five treatment groups.	77
3.7	Size of healed area (cm ²) according to treatment groups.	78
3.8	Rate of contraction (%) of longitudinal wound diameter according to group of treatments.	80

3.9	Rate of contraction (%) of transverse wound diameter according to group of treatments.	81
3.10	Rate of contraction (%) for wound area according to groups of treatments	82
3.11	Color of wound bed according to the group of treatments	84
3.12	Dryness of wound bed according to scale in all treatments group.	83
3.13	Amount of exudates present in wound bed according to group of treatments.	86
3.14	Classification of exudates according to day of treatments.	87
3.15	Amount of necrotic tissue present on wound during the wound healing process.	89
3.16	Types of necrotic tissue present in wound in all treatment groups.	89
3.17	Amount of scab present in experimental wound in the healing process	91
3.18	Color of scab present in experimental wound in the healing process.	92
3.19	Texture of scab present in experimental wound in the healing process	93
3.20	Summary of the results obtained from the animal study (n=6).	97
4.1	Histological cell parameter for wound healing assessment.	110
4.2	Result of the performance characteristic of H&E Staining	120
4.3	Result of the performance characteristic of Masson's Trichrome staining	121
4.4	The performance characteristic of Verhoeff's Elastic staining.	122
4.5	Histological parameter adapted from Nisbel et al (2010)	123
4.6	Number of macrophages found in the wounds in the five treatment groups	126
4.7	Epithelialization occurred in the wounds in the five treatment groups	127

4.8	Angiogenesis found in wound of all treatments groups	129
4.9	Process of fibroplasia in the wound area according to the group of treatments	130
4.10	Collagen in wounds according to the treatment groups	132
4.11	Summary of the results obtained from the observation of this study.	171