



Effectiveness of Honey and Moist Exposed Burn Ointment (MEBO) in Epithelial-Burns of Grade II

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Abstract : Second degree burns treatment plays an important role in healing burns. Many people use Moist Exposed Burn Ointment (MEBO), an oil-based ointment that has been proposed for the treatment of ideal burns, and honey has also been used for the treatment of burns in several clinical trials and provides good results. This study aims to determine the ratio of honey and MEBO effectiveness in epithelialization of second degree burns. Methods by using the true experiment research method or pure experiment with RAL (Complete Random Design). Results The results showed that giving honey to healing burns gave the best results where there were significant differences ($p < 0.05$) in the formation of collagen fibers and the amount of blood vessel formation compared to MEBO, but in the results of measurements of the extent of burns and epithelial formation did not showed a significant difference ($p > 0.05$) between honey and MEBO. Conclusion/Conclusions The conclusion is that giving honey gives better and more effective results in the formation of collagen fibers and blood vessel formation compared to MEBO. Therefore honey can be an option for the community in dealing with second degree burns, and further research needs to be done on signal transduction (molecular biology) related to wound healing in three phases, namely the inflammatory phase (eg interleukin 2, 6 and others). others), proliferation phase (eg EGF, PDGF, TGF- β) and remodeling phase (eg BMP2).
Keywords : burns, honey, MEBO, epithelialization, collagen fibers, blood vessels.

I Nyoman Ehrich Lister *et al* / International Journal of PharmTech Research, 2020,13(1): 88-96.

DOI= <http://dx.doi.org/10.20902/IJPTR.2019.130110>
