

Comparison of Antibacterial Effectiveness and Length of Healing Between Honey and MEBO in Degree-II Burns at the White Rat (*Rattus norvegicus*)

Charles Yapiter¹, I Nyoman Ehrich Lister¹, Edy Fachrial^{1*}

¹Study Program of Biomedical Science Magister, Faculty of Medicine, Universitas Prima, Indonesia

Abstract : Healing Second degree burns can be affected by the presence of bacteria. This research reveals the role of honey and MEBO in removing bacterial effects on healing. Pure experimental research method with a completely randomized design (CRD). There were 4 treatments, which were positive, negative, honey and MEBO treatment, each of which was given to rats with second degree burns. Wound healing and other parameters were observed on 7th, 14th and 21st days. The result was that the administration of honey as an antibacterial drug was very effective and gave healing on the 21st day to white rats. Giving MEBO as an antibacterial drug is very effective and provides healing on the 21st day to white rats. Giving honey is more effective than MEBO as an antibacterial drug and healing burns on 21st day against white rats.

Key words : antibacterial, second degree burns, honey, MEBO.

Edy Fachrial *et al* /International Journal of ChemTech Research, 2020,13(1): 123-131.

DOI= <http://dx.doi.org/10.20902/IJCTR.2019.130115>
