

Effectiveness of Guava Leaves Decoction Water on Wound Healing Diabetic Ulcers

Wa Ode Sri Asnanian^{1,a,*}, Maryunis^{2,a}

^aNursing Department, Public Health Faculty, Universitas Muslim Indonesia, Indonesia. ^bDr. Wahidin Sudirohusodo Hospital, Makassar, Indonesia

*waode.sriasnanian@umi.ac.id

Abstract. Diabetes is a major complication of diabetes mellitus. Wound healing can naturally use leaves from plants that contain chemical compounds that serve as wound healing one of them is using guava leaves. This study aims to determine the effectiveness of boiled leaf juice water to healing diabetic ulcer wounds in Clinic Care Injuries in Makassar. This research uses Quasi Experiment design. The sampling technique was done by purposive sampling as many as 12 people (6 experiments, 6 controls) by doing wound treatment for 14 days. Results were analyzed using SPSS 21.0 program. (SPSS, Inc. Chicago, IL). The results showed changes in wound scores on day 14 in the experimental group averaged 10.67 ± 3.670 and in the control group averaged 5.00 ± 1.414 . The degree of wound in the experimental group was better than the control group ($p = 0.009$), guava boiled water was effective against healing of diabetic ulcer wounds ($p = 0.011$). The conclusion in this research is water boiled leaf guava effective against healing diabetic ulcer wound at Wound Care Clinic in Makassar City. It should, therefore, consider the use of evidence-based natural ingredients in the treatment of diabetic ulcer wounds including guava leaf

Keyword: guava leaf, diabetic ulcers wound.