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(57) Abstract :

The present invention relates to preparation of topical herbal ointment and its evaluation for wound healing activity. Another object of the present invention relates to the preparation and process of preparing the extract of Bryophyllum pinnatum (Lam.) Oken., wherein the prepared extract was formulated into the ointment. The ointments were prepared in the concentration of 1% and 2% using suitable preservatives and subsequently were characterized for the parameters including appearance, odor, color, homogeneity, pH, spreadability, hardness, water number and viscosity. Acute dermal toxicity study was also performed. In the excision wound model, the epithelization period, wound healing index, % wound contraction area, hydroxyproline content, and histopathological evaluations were observed. In the burn wound model, contraction rate, wound contraction (%) and epithelization period was evaluated. After physical evaluation of the ointments prepared and acute dermal toxicity study, it was observed that all the ointments were safe to use for topical application.

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