Ekspresi fibroblas pada penyembuhan ulser mukosa mulut tikus pascapaparan ekstrak etanol rosela 15 evaluasi imunohistokimia = Fibroblast expression in wound healing of rat oral mucous ulcer after exposure 15 ethanol roselle extract immunohisthochemical evaluation / Mafida Ria Kartika

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Abstrak

ABSTRAK
Latar Belakang: Rosela mempunyai efek anti-inflamasi yang mempercepat proses penyembuhan. Fibroblas berperan penting dalam proses penyembuhan. Tujuan: Mengevaluasi hasil proses penyembuhan ulser mukosa mulut tikus berdasarkan ekspresi fibroblas secara imunohistokimia pascapaparan ekstrak etanol rosela 15%. Metode: Sampel ulser mukosa mulut tikus pascapaparan kelompok kontrol dan kelompok perlakuan diwarnai dengan antibodi TE-7(immunohistokimia). Parameter yang digunakan sel positif dan intensitas warna (pixel). Hasil: Terdapat peningkatan sel positif pada kelompok rosela 15% dihari ke-3 (skor 2) dengan intensitas warna menunjukan skor kuat (<125 pixel) pada hari ke-1, -3, -7, -14. Kesimpulan: Terdapat peningkatan ekspresi fibroblas pada proses penyembuhan ulser mukosa mulut tikus pascapaparan ekstrak etanol rosella 15%.
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ABSTRACT
Backgrounds:Roselle have an anti-inflammatory effect that can accelerate wound healing. Fibroblast play a critical role in wound healing process. Objectives: To evaluate the result of wound healing process towards rat oral mucous ulcer based on fibroblast expression in immunohistochemistry after exposure 15% ethanol roselle extract. Methods: rat oral mucous ulcer samples after exposure the control group and the treatment group that stained by TE-7 antibody (immunohistochemistry). Parameters that used are positive cells and color intensity (pixels). Results: There was an increase of positive cells in group 15% roselle on the 3rd day (score 2) with color intensity indicates high score (<125 pixels) from the 1st, 3rd, 7th and 14th days. Conclusions: Fibroblast expression increased in wound healing process of rat oral mucous ulcer after exposure 15% ethanol roselle extract