ABSTRACT

White cabbage is a plant consumed in raw or matured. The compounds of cabbage are water, protein, fat, carbohydrate, calcium, phosphorus, iron, potassium, sodium, sulphur, vitamin A, B1, B2, C, E, niacin, sulfophane and β carotene. Cabbage is the antioxidant, anticancer, antimicrobial and antifungi so that used as a material of wound healing.

The purpose of study reveals the effectiveness of juice of white cabbage to the acceleration of wound healing process. The samples are 32 mice (strain Wistar) divided into 4 groups are group 1 mice applied juice of cabbage 0.5 ml each day into their wound for 3 days; group 2 mice applied juice of cabbage 0.5 ml each day into their wound for 6 days, group 3 mice irrigated with aquades into their wound for 3 days, group 4 mice irrigated with aquades into their wound for 6 days.

Statistic analysis of data by Manova. Results, group 1 amount of fibroblasts and capilliers more increase than group 3. Group 1 amount of chronic inflammation cells more decrease than group 3. Group 2 amount of fibroblasts and capilliers more increase than group 1, but chronic inflammation cells decrease. The conclusion of study using juice white cabbage could increase the acceleration of wound healing of oral mucosa.