

JUMLAH NEUTROFIL PADA APLIKASI GEL EKSTRAK KOLOSTRUM DAN BIJI KELENGKENG (*euphoria longan*) SETELAH TERJADI LUKA DI MUKOSA BIBIR TIKUS

NEUTROPHILS COUNTS AFTER BOVINE COLOSTRUM AND LONGAN SEED (*Euphoria longan*) EXTRACT GEL APPLICATION ON RAT'S LIPS INCISION

ABSTRACT

Background. Injury in the area of oral cavity usually occurs due a many things. Normal healing usually occurs for one week therefore people began to buy chemical drugs to speed up the healing process, but people began to scared the side effect of chemical drugs and start developing and use natural medicines. People think if consuming natural medicines better than consuming chemical drugs because natural medicines has no side effect and is made from natural ingridients such as for example colostrum extract gel and longan seed extract gel.

Purpose. To find out the number of neutrophils between colostrum extract gel and longan seed extract gel application on rat's lips incision. **Method.** This research is an experimental laboratory with posttest only control grup which are divided into 3 grup. First group was given sterile aquades for control group the second group was given a longan seed extract gel (3,2% longan seed extract gel) and the third group was given colostrum extract gel (40% bovine colostrum extract gel) after that each grup was painted using hemaktoksin eosin and calculated using a microscope with 1000 magnification. **Result.** There is a difference in the number of neutrophils in each treatment. **Conclusion.** Lower neutrophils counts found in group of bovine colostrum extract gel application longan seed extract gel application and the compared with control group.

Keywords: Colostrum extract gel, Longan seed extract gel, Wound, Neutrophils