

Difference of Size Jaw Based on Sex in The Javanese and Batak Population in Surabaya in The Year 2007

Abstract

Every race group has different average physical size. This research has the goal to find out the difference of size jaw between two populations namely population of Javanese and Batak in Surabaya. Samples have been taken from the population of Javanese and Batak which are as much as 60 samples that consist of : 30 models of jaw shape print of Javanese population which consist of 15 models of women and 15 models of men; 30 models of jaw shape print of Batak population which consist of 15 models of women and 15 models of men. The samples which are used on groups of 18-25 years old. In this research, measurements on the length of jaw, the width of anterior jaw and the width of posterior jaw of the population of Javanese and Batak have been done. The results of the research shows the difference of jaw size between men and women in the Javanese population as well as women's jaw size between Batak population and Javanese population. Meanwhile, the difference between men's jaws and women's jaws in batak population lies on the width of anterior jaw and posterior jaw. There are no difference between the width and the length of anterior jaw between Javanese population and Batak population. However, there are differences of the width of posterior jaw. From this research, it is expected to be useful in uplifting diagnosis and determining the kinds of treatment in dental department, especially on the Javanese and Batak population.

Key words : Jaw size, Javanese population, Batak population.