

**KORELASI UKURAN GIGI DENGAN TINGGI BADAN PADA PRIA  
DAN WANITA POPULASI JAWA DI SURABAYA**

**(CORRELATION BETWEEN TOOTH SIZE AND STATURE IN JAVANESE  
POPULATION MALE AND FEMALE IN SURABAYA)**

**ABSTRACT**

**Background:** Tooth can be used for identification because it has strong individuality, high resistance of deformity and protected by a lot of maxillofacial muscle. Tooth size and stature have correlations in its mineralization process. Previous research on different population shown a lot of variance in tooth size and stature correlation. Correlation between tooth size and stature is expected to be used for personal identification. **Purpose:** Aim of this study is to determine whether there is a correlation between tooth size and stature in Javanese population male and female. **Method:** This study was conducted on 30 male and 30 female. Tooth size was recorded using dental model. **Result:** In Javanese population, there is a correlation between some aspect of certain tooth and stature. In the females, the strongest correlation is in mesiodistal aspect of 22. It has  $r=0,559$ , which can explain 31% of factor that affecting stature. There is higher correlation strength in females compared to males. The strongest correlation in males is in mesiodistal aspect of 36. It has  $r=0,42$  which can explain 18% of factor that affecting stature. **Conclusion:** There's correlation between some aspect of certain tooth size and stature in Javanese Population.

**Keyword:** Tooth size, Stature, Correlation