

## Digitalisasi radiogram gambaran trabekulasi rahang untuk rencana pembuatan gigi tiruan (penelitian pada perempuan pascamenopause usia 55-75 tahun)

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20437805&lokasi=lokal>

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### Abstrak

Today jawbone radiographic studies have shifted to 'bone quality'. The jawbone quality indicator which is often used is trabeculation density. To obtain accurate interpretation, analysis of jawbone quality needs modern radiographic imaging modalities that still very limited in Indonesia. In prosthetic dentistry analysis of tarabecular bone density in postmenopause women is very important to anticipate the possibility of osteoporotic cases. Because of inadequacy of human eye sight, information obtained from plain conventional radiographic is very limited. With digitized conventional radiogram, dentist could obtain more accurate information to analyze radiographic trabeculation density in Indonesia. The aim of this study is to get more quantitative radiographic data from digitized conventional radiogram comparing those obtained from conventional radiogram. 112 conventional radiograms were evaluated using grading of trabeculation density. The same radiograms then digitized to obtain the quantitative numeric data of trabeculation density. The result showed that each grade from conventional radiogram has a range of numeric value in the digitized radiogram. This result could provide higher accuracy of trabeculation density analysis than the value obtained by using human eyes that will be beneficial for the dentist, especially prosthodontist in Indonesia.