ABSTRACT

Background. Failure of radiographic process can produce not qualified image. Radiographic failure decrease the rate of accurate diagnosis and treatment planning. Radiographic failure caused by carelessness operator while was taken radiographic or film processing. Radiographic processing failure can occur caused time and over high and over low temperature errors, contamination of the solution or chemical processing, error handling film and error light. Purpose. The aim of this study was to evaluate the cause of intraoral film processing failure performed by dental students in UPF Radiology RSGM-P Airlangga University on Juni, July and December 2012. Method. This study used 128 samples of intraoral radiographic film, both bitewing or periapical projections that have failed when film processed. The samples classified according to the factors causing the failure of the film processing were observed with the visual method by 3 observers. Data obtained in the evaluation were presented using the percentage frequency distribution and tabulated. Results. The results showed underdeveloper 33(25.8%), overdeveloper 49(38.3%), yellow-brown stains 19(15%), spotting 13(10.15%) , finger marks 3(2.34%) and film scratches 11( 8.6%). Conclusion. In this study, overdeveloper and underdeveloper were the most frequently occurring processing failure type.

Key words: film processing, failure, intraoral radiograph