THE EFFECT OF GIVING *Eugenia polyantha* EXTRACT TO KIDNEY HISTOPATHOLOGY ON *Rattus norvegicus* STRAIN Sprague dawley INDUCED WITH 7,12-Dimetilbenz(a)nantrasen (DMBA)

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**ABSTRACT**

The purpose of this study was to evaluate the changes of kidney histophatology after 20 mg/kg BW DMBA (7,12 Dimetilbenz[a]nantrasen) induced and *Eugenia polyantha* extract on Sprague dawley rats kidney cell. The research has been done on February 2011-Desember 2011 at Faculty of Veterinary Medicine, Airlangga University. 20 female rats (*Rattus norvegicus* strain Sprague dawley) aged 45 days with BW 60-70 gr were used. Divided into five groups; rats in the first group was only given with DMBA and corn oil; second group was given with CMC-Na and corn oil. The third group was given with *Eugenia polyantha* extract dose 250 mg/kg Bw and DMBA. The fourth and fifth group were given the same treatment as the third group, only using higher dose of *Eugenia polyantha* was 500 and 750 mg/kg BW. The data were compared using Kruskal-Wallis and Mann-Withney test. Statistical comparisons were performed using SPSS 18.0 for windows. This research showed that *Eugenia polyantha* extract with DMBA induction could repair kidney cell at dose 500 mg/kg BW.

**Keyword:** DMBA induction, kidney histopathology, *Eugenia polyantha* extract