

PENENTUAN KANDUNGAN LOGAM ESENSIAL (Fe, Zn DAN Cu) DALAM DAUN SIRIH MERAH (*Piper crocatum*) SEGAR, AIR REBUSAN DAN AIR SEDUHANNYA DENGAN METODE SPEKTROKOPI SERAPAN ATOM (SSA)

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ABSTRACT

Determination of essential metals (Fe, Zn and Cu) in red betel leaf has been carried out by using Atomic Absorption Spectrophotometer (AAS). Fresh and dry red betel leaf extracted in 75 mL by boiled and brewed distilled water for 5, 10, 15 and 20 minutes. In the fresh red betel leaf metal content (Fe, Zn and Cu) were 0,3257 %, 0,173 % and 0,0278 % and the highest metal content (Fe, Zn and Cu) found in dry red betel leaf which were boiled for 20 minutes with the concentration 0,0539 %, 0,0305 % and 0,0128 %. Red betel leaf is a source of essential metals needed by the body.

Keywords: *Atomic Absorption Spectrophotometry (AAS), Red betel leaf (Piper crocatum), decoction water, steeping water, Fe, Zn and Cu*