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KANDUNGAN SENYAWA KIMIA PADA BUNGA DAN DAUN *Chromolaena odorata* (L.) R.M. KING & H. ROBINSON

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ABSTRACT

An analysis on the chemical compounds of flowers and leaves of ***Chromolaena odorata*** *(L.) R.M. King & H. Robinson from Timor island using GCMS, was conducted. Total numbers of the compounds from flowers which can be detected were 18 consisted of alkanes, oxygenated hydrocarbons, fatty acids, hydrazine and alkaloid along with two unidentified compounds [**1, 2**]. Twenty-seven compounds detected from leaves were identified as alkanes, fatty acids, alkaloid, hydrazine together with 12 unidentified compounds [**3-14**]. Compounds were identified using NIST Library data.*

Flowers and leaves of ***C. odorata*** *contained allelopathy compounds such as palmitic acid, linoleic acid and 2,6-dimetoxy phenol.*

Keywords: *Asteraceae,* ***Chromolaena odorata*** *(L.) R.M. King & H. Robinson, chemical compound, allelophaty*