

University Malaysia, Jalan Istana, Bandar Indera Mahkota, 25200 Kuantan Pahang, Malaysia. Longo 1000 Mu. W Department of Pharmaceutical Technology, Faculty of Pharmacy, International Islamic Linuxersity Malaysia. Jalan Istana Bandar Indera Mahkota.

tional Islamic University Malaysia, Jalam Istana, Bandar Indera Mahkota, 25200 Kuantan, Pahang, Malaysia.

## ABSTRACT

The species of the genus Calophyllum (Guttiferae) are mainly distributed is tropical areas. Plants from this genus are known as a rich source of secondar metabolite such as xanthones, cournarins, chromenes, flavonoids an triterpenoids. Some of this compounds exhibit significant biological effects an bacterial, anti fungal, anti HIV and immunomodulatory activities. Calophylluc canum or Bentangur batu is a forest tree that found in Peninsular of Malaysis. The research is aimed to investigate the bioactivity of Calophyllum canum extract against selected bacteria. The chemical constituent of the plants is also investigated. The extracts are tested for their activity to inhibit the growth of Escherich coli, Pseudomonas aeruginosa, Bacillus subtilis and Staphylococcus aureus. The antibaterial testing is carried out by disc diffusion method. It is concluded that a canum has a great potency to inhibit the growth of bacteria. The results of an bacterial of the extracts will be discussed in this paper.

Keywords: Calophyllum canum; Calophyllum, guttiferae; antibacterial; disc diffision methods