



The 2<sup>nd</sup> International Conference on Chemistry, Pharmacy, and Medical Sciences  
(ICCPM 2021)  
Bengkulu, November 24-25, 2021

September 1, 2021

### The Announcement of Abstract Acceptance

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**Dear Ms/Mrs. Rosyidatul Lutfiah**  
**ID Registration No. 49**  
**Universitas Lampung**

We are pleased to inform you that your abstract entitled "**Bioactivity of EtOAc Extract from Mangrove Derived Fungi as Antibacterial Agent against Staphylococcus aureus and Pseudomonas aeruginosa**" has been accepted for **ORAL presentation** by the scientific committee of **the 2nd International Conference on Chemistry, Pharmacy, and Medical Sciences (ICCPM 2021)**. Please note that the conference web site is: <http://icppm.fmipa.unib.ac.id/2nd> which is being updated regularly and provides information on the program and schedules. The detailed program for the conference will be posted on the website around mid-November 2021.

We also would like to inform you that ICCPM 2021 is collaborating with **Indonesian Journal of Chemistry (Scopus Q3), Science and Technology Indonesia (Scopus), Jurnal Kimia Sains dan Aplikasi (Sinta 2), Bencoolen Journal of Pharmacy, and Rafflesia Journal of Natural and Applied Sciences** for an opportunity to publish the selected papers. We request the additional fee for the selected papers according to the publication fee of each journal (adjust to journal publication fees).

You are kindly requested to make payment amount **IDR 100.000 for presenter non proceeding** and **IDR 350.000 for presenter with proceeding** no later than November 1<sup>st</sup>, 2021. The payment should be transferred to Bank : **MANDIRI**; Account Name : **Ria Nurwidiyani**; Account Number : **179-00-0240884-2**; Branch : **Bengkulu**; Swift Code : **BMRIIDJA107**.

Please follow this link to join our WhatsApp group: <https://chat.whatsapp.com/GbTjHdgPCZC8QTxLGO5VqE>. If you have any questions feel free to contact the conference secretariat at [iccpm2021@unib.ac.id](mailto:iccpm2021@unib.ac.id). We look forward to seeing you virtually in Bengkulu.

Yours sincerely,

**Dr. Charles Banon, M.Si.**



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Conference General Chair

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## Bioactivity of EtOAc Extract from Mangrove Derived Fungi as Antibacterial Agent against *Staphylococcus aureus* and *Pseudomonas aeruginosa*

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### Abstract

The increasing cases of resistance of pathogenic bacteria to various types of antibiotics worldwide has become a serious problem for medicine and human health. Potential diversity of mangrove organisms as source for new antibacterial compounds against bacterial pathogen. In this study, fungal isolates were obtained from the mangrove ecosystem in Sriminosari area, Lampung. Fungal isolates were obtained from mud, roots, stems, and leaves of mangrove with agar diffusion technique. Fungal cultivation was carried out by the solid-state fermentation method on rice media. The cultivation and co cultivation results were extracted using ethyl acetate. The bioactivity of the extract was tested against pathogenic bacteria *Pseudomonas aeruginosa* and *Staphylococcus aureus* obtained from hospital patients. The results of the survey and isolation obtained seventeen isolate. Result of disk diffusion method showed ethyl acetat extract BA04RF1, BB04RF1, BB05RF1, CB06RF1, CB07RF1 and CD01RF1 have potential as antibacterial (100 $\mu$ g/mL). Futhermore, fungal extract CB07RF1 showed best antibacterial activity against clinical pathogen *S. aureus* and *P.aeruginosa* with inhibition value of 14 and 12 mm respectively. This information is very important as a basis for further research on the structure and its relationship to activities.

**Keywords:** Anti-bacterial, Fungi endofit mangrove, *Pseudomonas aeruginosa*, *Staphylococcus aureus*.

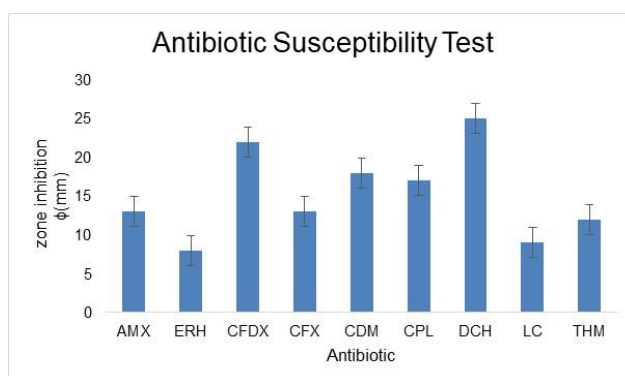


Figure 1. Antibiotic Susceptibility Test

### References/Background Review Article

1. Supratman, U.; Hirai, N.; Sato, S.; Watanabe, K.; Malik, A.; Annas, S.; Harneti, D.; Maharani, R.; Koseki, T.; Shiono, Y. 2019. New naphthoquinone derivatives from *Fusarium napiforme* of a mangrove plant. *Nat. Prod. Res.* 1–7.

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