

IV. CONCLUSIONS

Preliminary investigation upon endophytic fungi residing in the rhizome of *Amomum centrocephalum* has discovered five antagonistic fungal isolates identified as *Aspergillus aculeatus*, *Clonostachys rosea*, *Daldinia caldariorum*, and two *Trichoderma* sp. The potential isolates showed considerable inhibitory activities against gram-positive and gram-negative and phytopathogens. Through literature studies, many prospects and developments are needed in exploring the biological properties from each isolate in future studies. To our understanding, this is the first report on culturable endophytic fungi isolated from the rhizome of *A. centrocephalum* from North Sumatera, Indonesia.

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