

**POLA PERTUMBUHAN KAPANG *Monascus purpureus* PADA MEDIA BERAS, JAGUNG,
DAN KOMBINASI BERAS - JAGUNG**

The Growth Pattern of *Monascus purpureus* Moth On Rice, Corn And Rice-Corn Combination Media

Yuliana Retnowati, Asep S. Abdurrahmat, Syam Kumaji, Nurinda Umadji
Jurusan Biologi, FMIPA Universitas Negeri Gorontalo

Abstract : The aim of the study was to determine the pattern of *Monascus purpureus* growth on the rice, corn, and rice-corn combination medium. The study was done at microbiology laboratory of Biologi Departement, Gorontalo State University. The study was based on descriptive methods that describe the pattern of *Monascus purpureus* growth on rice, corn and rice-corn combination medium. The changes of mycelium colour and the addition of mycelium pigmentation area on 0-16 days observations as the indikator of fungal growth. The results showed that the ability of *Monascus purpureus* to grow at rice, corn, and rice-corn combination medium was different. The difference was showed on the adaptation time or lag growth phase at each of the growth medium. The stationary growth phase of *Monascus purpureus* was reached at fifth days after adaptation periode. The pigment production of *Monascus purpureus* was different at each of growth medium, while 75 %, 95 %, 100 % at rice, corn, and rice-corn combination medium.

Keywords: Growth pattern, *Monascus purpureus*, Rice, Corn, corn-rice combinations