

FRAKSINASI AMILASE DARI *ENDOMYCOPSIS FIBULIGERA* ITB.R.cc.64 DENGAN METODE PRESIPITASI AMONIUM SULFAT

Afaf Baktir

Fakultas Matematika dan Ilmu Pengetahuan Alam

Universitas Airlangga

Jl. Mulyorejo (Kampus C) Surabaya 60115

ABSTRACT

Endomycopsis fibuligera ITB. R.cc.64 produced high extracellular amylase activity. It showed two kinds of amylase activities, those are liquefaction and saccharification.

The aim of this research are to separate each kind of amylase by fractionation with amonium sulfate and to test the specific activity of each fraction. It was done three fraction amonium sulfate: 0-40 %, 40-60 %, and 60-80 %. The first fraction has the strong liquefaction activity of 20,847 U/mg protein, the second fraction has the strong saccharification activity of 16,901 U/mg protein, and the third fraction has the strong saccharification activity of 18,903 U/mg protein and the weak liquefaction activity of 1,756 U/mg protein.

Keyword : *Endomycopsis fibuligera*, saccharifying amylase, liquefying amylase