

ANALISIS 6 DNA REKOMBINAN DENGAN ENZIM *EcoRI*

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ABSTRACT

*Amylase enzyme from **Endomycopsis fibuligera** capable to hidrolize starch into glucose. Insertion of amylase gene from **E. fibuligera** into yeast (**Saccharomyces cerevisiae**) will be able to increase the function of yeast (**S. cerevisiae**) to digest more cheaper substrate , like starch. Before cloning in yeast, recombinant DNA will be made and analyzed in **Escherichia coli** strain DH5 α . The result showed that the sixth transformant consist recombinant DNA that were sensitive to tetracycline medium. Analysis by **EcoRI** digestion showed that the size of insertion fragment into Ycp50 vector are around 0.3 untill 16 kb.*

Keywords: *amylase gene, cloning, EcoRI digestion.*