

Kapasitas *Lactobacillus plantarum* AP1 dalam menghidrolisis isoflavon glikosida kedelai (*Glycine max*)

Abstract

To investigate the capacity of *Lactobacillus plantarum* AP1 on hydrolizing isoflavone glucosides of soybean (*Glycine max*), an experiment was conducted by inoculating the overnight culture of *L. plantarum* AP1 into soymilk and maintaining the soymilk fermentation process for 48h at 37° C. As the result of HPLC, *L. plantarum* AP1 was able to hydrolize soybean isoflavone glucosides by reducing the daidzein, genistein, and glycitein concentrations up to 17.9, 16.9, and 38.2%, respectively