

The Ethanol production of cashew nut apple (*Anacardium occidentale*) by *Zymomonas mobilis* fermentation using different source nitrogen

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Abstrak

To study the ethanol of cashew nut apple extract by *Zymomonas mobilis* fermentation process (in 24, 48 and 72 hours) using cashew nut apple extract (red, green and yellow variety) were performed. The urea, ammonium sulphate, extract of green peanut sprout and extract with ammonium sulphate in 24 hours of fermentation produced ethanol in optimum result. This treatment yielded pH of 5.87, 7.64 g/100 ml of sugar (with 48.44% of consumption), 8.0×10^8 bacterial and ethanol equal to 33.02 g/l