

KANONG SRINORAKUTARA : EFFECTS OF SOME PARAMETERS ON ETHANOL PRODUCTION FROM AGRICULTURAL PRODUCTS IN CONTINUOUS COLUMN FERMENTOR. THESIS ADVISOR : ASSO. PROF. VICHA VANADURONGWAN, Ph.D THESIS COADVISOR : ASSIST. PROF. SUTTISAK SUKNAESILP, 116 PP.

This studied has been done on the effect of the direction of flow non-aerated columns. It was found that, at steady state, the flow of pineapple juice from the bottom of the column gave the better results when compared at the same fermentation condition with the previous work which flow from the top of the column.

In the studied of the various recycle ratios of the mash into the system, the results shown that the best recycle ratio is 0.3250 (that the optimum dilution rate is 0.30 hour^{-1})

Other studied was done on the sugar cane juice and it was found that the same result as pineapple juice was obtained.