

**PENGARUH VARIASI DEBIT AIR DENGAN TEMPERATUR  
PEMANASAN KONSTAN TERHADAP BILANGAN ASAM PADA  
PROSES PENCUCIAN BIODESEL DENGAN METODE *WET WASHING***  
*(The Effect Of Variations Of Water Deposit With Constant Heating Temperature  
On Acid Number On Biodiesel Washing Process With Wet Washing Method)*  
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**ABSTRACT**

The increasing number of vehicles each year also results in increasing fuel use. Alternative energy sources become a substitute for fuel oil. The use of renewable fuels such as biodiesel as an alternative to diesel fuel is needed. There are many potential fish oil as a raw material for biodiesel. In Muncar District, Banyuwangi Regency, Muncar is a fish processing industry area, so the potential for fish oil waste is abundant there. In the implementation of the research, the stages used in two stages, namely the first stage is the preliminary stage or the stage of making biodiesel from fish waste oil while the second acid number test. The highest acid value value for pure biodiesel fuel fish waste oil is at B-30 Debit 20 (B-30 Biodiesel 30% and Dexlite70%) which has a value of 4.90 mg-NaOH/gr, while the lowest value is in B-20 fuel ( biodiesel 20% and dexlite 80%) which has a valueof 3.78 mg-NaOH/gr.

*Keywords: Fish Oil Waste Biodiesel, Acid Number, Debit*