PURDUE UNIVERSITY

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Objective

To meet the market's growing demand of good tasting fruit wine and fulfill consumer's requirement of having healthier wine option.

Background

Wine has a long history and is a common component in daily diet. With fruit wine getting popular around households and in market, blueberry wine is produced with advantages of high antioxidants and anthocyanin contents. From market analysis, a conclusion is obtained that wine has a growing market from 2011 to 2016 and is predicted to be continuously growing till 2021.

Impact

Positive impact:

- Providing innovative wine with high nutrition contents.
- Stimulation of local blueberry economy and providing more jobs opportunity

Potential negative impact:

Industrial pollution (air pollution, water pollution, etc.)

Unit Operations

Unit operation	Optimization Variable	Parame Evai
Crushing	Radius	Desired
Fermentation	Number of tank	Gross
Filtration	/	
Packaging	/	

Budget Information

Cost	Price
Total Capital Investment	289,743.90
Annual Manufacturing Cost	883,134.74
Annual General Expenses	75,691.81
Annual Production Cost	958,826.55

Technical Advisor & Instructor: Dr. Martin R. Okos





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ct Composition	
Size 1 bottle (17 fl oz)	
ents	
es(frozen)	89.6%
lucose, fructose)	10.4%
isiae	0.003g
	12.5%



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