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| Independent Study Title | Selection Guideline of Alternative Raw Materials for Growing Swine Feed Formula of Bio-Gen Feed Mill Co., Ltd. |
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ABSTRACT

This independent study had the objective of investigating the selection guideline of alternative raw materials for growing swine feed formula of Bio-Gen Feed Mill Co., Ltd. The conceptual frameworks and production cost theory were followed. The data collection from manufacturing records and interview of general manager regarding to production cost, it was revealed that there existed a standard feed formula for growing swine which comprised mainly of corn. There were also other two feed formula for alternative raw materials such as cassava pulp and mung bean bran. The production experiment showed similarity of nutritional values for all three formulas. In term of overall production cost which consisted of fixed costs (machine depreciation cost and permanent labor cost) and variable costs (materials cost and other manufacturing costs – similar or varied expenses for each formula) which might be similar or different depending on each feed formula. The main total cost for feed production of standard formula was the cost of corn which was considered as a main ingredient. The substitution of other alternative raw materials, whose costs were different from one another, resulted in the variation in capital cost of each formula. The analysis of total production cost structure had led to the development of calculation program in EXCEL to compute for overall capital cost of each formula when the costs of main raw materials per unit were fluctuating. This might be used as a

selection guideline which contributed to the decision making process of the company whether to favor the production of feed formula for growing swine.



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