

Suwasate Wasupath 2019 : Financial Returns Analysis of the Production of Sun-dried Snakehead Fish by Using the Electrical Sun-drying Simulator Oven in Mueang District Singburi Province, Master of Science (Agribusiness), Major Field: Agribusiness, Department of Agricultural and Resource Economics. Independent study Advisor: Associate Professor Sanit Kao-ian, M.S. 59 page

The purpose of this study are 1) to study the general condition of the production of sun-dried snakehead fish by using the electrical sun-drying simulator oven in Mueang District, Singburi Province including marketing and distribution, and 2) to study cost and financial returns of the production of sun-dried snakehead fish by using the electrical sun-drying simulator oven by collecting data from in-depth interviews 1 cooperative entrepreneur in Muang District, Singburi Province, using purposive sampling methods, compare to market price and similar products in Mueang District, Singburi Province.

The study reveals that the manufacturer of sun-dried snakehead fish by using the electrical sun-drying simulator oven have the net present value (NPV) equal to 1,014,624.22 Baht. Benefit-Cost Ratio (BCR) is 1.06 and the internal rate of return (IRR) is 52.72%. From the analysis of results, investment in the production of sun-dried snakehead fish by using the electrical sun-drying simulator oven is feasible because the NPV is greater than zero, indicating that the present value of the income is greater than the present value of the expenditure over the project life period. The BCR value is greater than 1, indicating that when investing 1 Baht, the investor could expect 1.06 Baht in benefits while the IRR is 52.72% which is greater than the 7.12% discount rate. Therefore, the production of sun-dried snakehead fish by using the electrical sun-drying simulator oven is worthwhile investment.

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Student's Signature.      Independent Study Advisor's Signature