



Research Article

Study on Implementation of Impact Fishermen's Income Enhancement Economy Public Village Boneog Districts Banawa Donggala District

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Article Information	Abstract
<p>Received: 20 June 2022 Revised version received: 23 July 2022 Accepted: 25 July 2022 Published: 28 July 2022</p> <p>Cite this article as: <i>Umar A. and Muhammad U.A. (2022) Int. J. Soc. Sc. Manage.</i> 9(3): 113-119. DOI: 10.3126/ijssm.v9i3.47036</p> <p>*Corresponding author Umar Alatas, Department of Fishery, University Alkhairaat, Palu, Indonesia Email: hernida.hi.kone10@gmail.com</p> <p>Peer reviewed under authority of IJSSM ©2022 IJSSM, Permits unrestricted use under the CC-BY-NC license.</p> <p> </p> <p>This is an open access article & it is licensed under a Creative Commons Attribution Non-Commercial 4.0 International license.</p>	<p>The purpose of this study was to determine the effect of fishermen's income on improving the economy of the community in Boneoge village, Banawa district, Donggala Regency. The sample used in this study were fishermen in Boneoge Village, Banawa District, Donggala Regency, and set as many as 50 people by snowball sampling. This type of quantitative descriptive research uses a simple regression analysis method. The results showed that the adjusted R² value was 0.757, this means that 76% of the variation in the increase in the economic activity of fishermen's households can be explained by variations in the independent variable, namely fishermen's income. While the remaining 29% is explained by other factors outside the model. The conclusion of this research is. from the regression coefficient value of fishermen's income and the level of significance, that fisherman's income has a positive and significant effect on increasing the economic activities of fishing communities in Boneoge Village, Banawa District, Donggala Regency. This is because the fishermen's income is quite high from fishing so that it encourages per capita growth of the community which supports an increase in the economy of Boneoge Village, Banawa District, Donggala Regency.</p>

Keywords: Fishermen's income; Community Economic improvements; Donggala Regency

Background

The area of the State of Indonesia which is more than 2/3 is the sea or reaches 5.8 million km² (580 million ha), Indonesia has marine potential and fishery which very big and variety good which could be updated nor no could update which in the form of potency region, resource natural, and services marine. Remember Country Indonesia is a country with the largest sea area, we have the potential

for utilizing Thing for the sake of enhancing the income Public specifically public fishermen (Mulyadi, 2014).

According to Asmita (2016), the level of welfare for fishermen is very determined by the results of the catch or what is normal say with catch production. Several catches by direct also take effect to big income which received until fishermen can meet their daily needs they. This can mean

that the needs his life available and easily reachable to every population so that on, in turn the poor population is getting smaller the amount.

Temporary that which meant with income fisherman results which received by whole house ladder fisherman after to do activity arrest fish on certain time. However, the catch of fish obtained not yet can be said as income, if there has not been a sale and purchase transaction. The transaction in question is a sale and purchase transaction Among fisherman (producer) with the buyer (consumer) and a transaction Among fisherman (producer) with city fish (distributor). Income received by public fisherman is used for fulfill all consumer needs in every household, for example, buy equipment house ladder, pay electricity monthly, pay interest on loans or other debts, buy means and infrastructure arrest fish, cost to go to sea, and even used for fees children's education they.

Basic income could support success, prosperity, and progress economy something Public in every region/country. Therefore, the economic conditions Public influenced also by big income. The bigger income obtained house ladder or Public, the economy will increase, on the contrary, if the income public low, so as a result economy house ladder in Public not experience improvement (Bastian, 2012).

One of settlement there are fishermen in Boneoge Village, Banawa District, District Donggala, majority residents eyed livelihood as a fisherman. Habit Public fisherman generally in house ladder they still respect tall values wisdom local public which there is, like each other help or work together cooperatively in house ladder. The habit community in Boneoge Village, Banawa District Regency Donggala requires a woman or wife to help activity husband. With understanding this, the position of wife and husband no considered unequal or not different. The wife also has not quite enough answers which same on economic improvement family.

A phenomenon which occurs on public coast beach (fisherman) in Village Boneoge Banawa District, Donggala Regency, is economic living conditions people always no certain, sometimes they capable for Fulfill needs his life, sometimes nor is it because of the income they receive no balanced with needs daily, because the income of fishermen is very dependent on circumstances and natural conditions. Unusual natural conditions are uncertain, the presence of fish is not permanent because always move around from one place to other places, unstable ocean currents, wind (both east, west, northwest, and southwest winds) which could cause wave big, facility inadequate fishing gear, high prices of goods, as well as engine damage and leaking boats thus causing the income of fisherman to decrease. as a result, income Public minimal and they no could Fulfill needs his life with good, no could pay tax income, desire they for

getting something no achieved, and even payment dues education child they often no on time.

Based on the background behind the researcher's interest for to do a study titled "Study Implementation Income Fisherman Impact Enhancement Economy Public Village Boneoge Subdistrict Banawa Regency Donggala".

Based on the background behind and description problem which has been put forward previously, so which Becomes formula problem in a study this that is, is influence income fisherman to enhancement economy Public in Village Boneoge Subdistrict Banawa Regency Donggala.

The purpose of this research is to find out the influence of income fishermen on the enhancement economy Public in Village Boneoge Subdistrict Banawa Regency Donggala.

Review of Literatures

Theory Income

Income is defined as income that is received individual through an activity economy in the form of wages or money that has value During something period. Carles (2012) put forward that income is the price charged to customers multiplied by units sold. Income is which received by the Public from whole activity effort in a region During time certain, usually called community data collection. Besides that, income is an increase in total assets or drop obligation something body effort, which arising from the delivery of goods/services or activity other business in the something period.

Opinion other put forward by Winardi (2014) that income clean is whole results which obtained reduced costs or things which for sale from results sale will achieve profit dirty, and with Street reduce expenditure for produce objects from gross profit will be achieved profit company, and when tax income minus company profit will be obtained profit clean or income clean.

Definition of income put forward the basic emphasis on the amount of the results received from the production earned to increase income. In principle, the farmer's income is the net value obtained from reception results production farmer reduced the whole cost of activity production plant the influence, next get deal Becomes Public, (Muqri et al., 2016).

Public Fisherman

Society is a group of people who live together in something the place or region with certain rules. People come from the word musyarak (Arab), which means together same, which then changed to Becomes Public, which means gather together, life together with each other relate and each other.

Fishermen are a community group whose life depends directly on seafood, either by catching or cultivating fish, in general fishermen stay on the edge beach, an environment

settlement that closes with location activities, (Mulyadi, 2015). Fishermen are distinguished Becomes three groups, namely:

- a. Labor fishermen are fishermen who work using tools to catch person other.
- b. Fisherman Individual is a fisherman which has a tool catch alone and in operation, no involved person other However do it yourself.
- c. A skipper fisherman is a fisherman who has a ship and its engines and fishing gear, however no strive alone boat and tool catch it but hiring fisherman others such as skipper fishermen and Pandega fishermen. Fisherman mustard is fisherman which entrusted not quite enough answer for manage and nurse tool catch owned by fisherman skipper.

Empowerment Public Coastal

Management environment in region coast issue main is still very big amount Public which not enough capable (income under standard average which determined) and still have to face the problem health, deficiency water clean, abrasion, and the difficulty reach level education which worthy, Thing this because it has not been managed properly good.

Community empowerment comes from the word "power" which gets the prefix ber-which becomes the word "empowered" means to have or to have power. Power means strength, empower means have strength, (Rizal 2016). Draft empowerment Public covers the definition of development Public (*community development*) and focused development on Public (*community-based development*). First of all, it is necessary to understand the meaning of and meaning empowerment and empowerment Public.

Adaptation Economy Public Fisherman

Adaptation is an adjustment behavior (behavioral adaptation) that points to action (Nafarin, 2012). In this case, adaptation is said to Act in demand strategy to maximize opportunity life. Therefore, in a group, adaptation can give you a chance to survive. Will but, for a group which other possibilities will destroy it. Adaptation to the environment is Act in demand which is repeated, Thing this will cause happening two possibilities. First, is successful imitation behavior as expected. Second, they don't imitate because it happens considered not by hope. Success in Act in-demand copy this cause happening adjustment individual to the environment or adjustments occur with environmental conditions in oneself individual.

Effort Enhancement Economy in House Ladder

In general, there is a relationship between the level of consumption with reception (income). Enhancement of income will make the number of fulfilment needs ascend, on the contrary, a drop in income will reduce the number of needs that want to be obtained. If a drop in income occurs Keep going- continuously over a long period will bring

consequence poverty for the community or family household. However, when a drop in income could quickly overcome with good, condition economy will get better too.

To resolve problem economy naturally no easy as you think but must be conducted with effort and work hard. For that required attitude and view as well as action real by every individual in house ladder family. However, what is meant by action leads to change and improvement of conditions economy is with set up effort and want to develop a business that has been built that. But all the trouble economy faced public no will can overcome so just without there is mix hand government in giving help in the form of capital and part of it.

Role of Public Fisherman to Enhancement Economy

Since the dawn of human civilization, society is good for individuals and group, and have a role important in the economy. The economic prosperity that has been achieved by society is the result of collective work from all components of Public the.

The fishing society (*Fisher Society*) in it's not only those who are in control of life and his life only fighting - fight oppose collisions storm afternoon and night day, just looking mouthful which can live his family. Remember man life in the middle Public, no life in the middle forest, which environmental factors have the greatest influence? to human life in society.

Management source power region coast and sea Indonesia from corner look sustainable development (*stainable development*) is faced with a position that does not ambiguous, or is at in intersection Street. unified party, there is some coastal area which has been utilized (developed) with intensive. As a result, the indication has been exceeded carrying capacity or sustainable capacity (potentially sustainable) from ecosystem coast or marines, such as pollution, *overfishing*, physical degradation of coastal habitats, and coastal abrasion, has appeared in areas coast meant. A phenomenon this has and still takes place, especially in coastal areas with congested inhabitants, and tall window construction, like Strait Malacca, Beach North Java, Bali, and South Sulawesi, (Mulyadi, 2014).

The Relationship of Fishermen's Income to Enhancement Economy

The theory put forward by Keynes in Mankiew (2013), said that the increase in income will impact height consumption and public saving, increase savings Public in turn will impact height accumulation capital so that business capital will also increase along with enhancement income and savings Public.

According to Bastian (2012), fishermen's income is sourced from income from fishing fish nor effort side if the fisherman does not go to sea in extreme weather. Temporary enhancement economy families have several indicators

among them, enhancement fulfillment needs daily Public, enhancement capital effort micro public, as well as enhancement savings Public.

More carry-on explained that income fisherman affects enhancement activity community economy. Higher-income good service that comes from catching business fish, nor effort side fisherman will impact to enhancement economy Public like enhancement fulfillment daily needs, increased savings, and increase in micro-business capital owned by public fisherman. Condition on the contrary, if the income of fisherman decrease good sourced from fishing and effort side fisherman so enhancement economy society becomes low (Mubiyarto, 2012).

Framework Thinking

The taller income fisherman so the taller also activity economy society and vice versa are getting lower-income fishermen so the lower also enhancement economy Public. The influence of fishermen's income to increase economy Public give an indication existence connection which positive. For clarifying connection among income fishermen to improve the family economy explicit depicted in the chart framework think to study is shown in Fig.1.

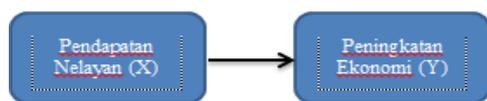


Fig 1: Framework

Methodology

The type of research carried out by the approach quantitative descriptive emphasizes the analysis of data in the form of numbers which are treated with statistical methods.

Study this held in Regency Donggala, to be exact in Boneoge Village, District Banawa. This area was chosen because it is an area where the majority of the population is a fisherman.

The population in this study are fishermen located in Village District Boneoge Banawa Donggala Regency. Based on the results of the data has been obtained, the number of fishermen in the village as many as 100 fishermen.

The sampling method used in a study is *snowball sampling* (taking a sample by ball snow) which is based on data from fisherman group members and information from the chairman group for withdrawal sample. Technique determination sample was chosen from each chairman group fisherman, then the next chairman group fisherman selected fishermen to be sampled. Amount sample which will be researched is as many as 50 fishermen which were obtained with the used formula Slovin with the precision of 10%.

Data primary and data secondary were used in this research. Primary data is data obtained and collected directly from fisherman interview results in the form of a questionnaire. Data primary this in the form of data about income fisherman and upgrade economy fisherman. As for data secondary is data obtained through data publication body center statistics in the form of documents and reports which are officially published.

Collection data which conducted in a study through a questionnaire, that is technique collection data which conducted with method give a set of statements written to the respondent for he answered (Sugiyono, 2012). Questionnaires were given to some fishermen in Village Boneoge, Subdistrict Banawa, Regency Donggala covering about income fisherman and economic improvement household fisherman.

Method analysis used in This research is an analysis of the Regression model simple. Equality regression simple is a regression equation involving one variable independent and dependent in analysis.

Results And Discussion

Characteristics Respondent

Characteristics respondents used to provide an overview of the respondents, whether by characteristics respondent which different think same or no. In a study, this which made as respondent characteristics are age, education, amount member family which borne, and experience.

Data given in Table 1 shows that part big fisherman is at on age productive. Where the age ranges from 15-64 years classified in the productive age based on the report Body Center Statistics. a fisherman aged in the range of 15-64 years is 46 people with a percentage of 98 percent. While some small fishermen aged in on 64 years amount 4 people with a percentage of 8 percent. The thing this indicates is that the ability to work physically with fishermen is still relatively good. So that This is believed to have an impact on the ability to generate catch relatively large and in turn will impact to increased revenue fisherman of the 50 respondents, their dominant fisherman has an education level of fewer than 8 years as many as 15 people with a percentage of 60 percent, whereas the rest as much 10 people or 40 percent have an education level of more than 15 years. It's the same with clove farmers, from 25 respondents, dominantly they have a level education less than 8 years, which is 29 people with a percentage of 58 percent, and the rest as much 21 people or 42 percent have level education more from 8 years. Existence of a different level of education show influence the level of a fisherman's mindset. The thing this corresponds to Bakir's opinion in Trianti (2007) that the higher the level of education farmers, the mindset is also wider and of course, it will be faster to accept innovations that be delivered.

Table 1: Characteristics Respondent

Respondent Characteristics	Category	Frequency	Presentation
Age (Years)	< 15	0	0
	15-64	46	92
	>64	4	8
	Total	50	100
Education (Years)	<8	29	58
	≥8	21	42
	Total	50	100
The number of dependents (Person)	1	8	16
	2	16	32
	3	18	36
	> 3	8	16
	Total	50	100
Experience (Years)	< 15	21	42
	≥ 15	29	58

The next amount member family which borne, show that the majority of Respondents have 3 children, namely: as many as 18 people (36%). The least dependent family fisherman makes a small cost which must be borne by the fisherman, so that make fishermen's income better compared to fishermen who have many dependents, amount family.

Then based on experience shows that most of the respondents have experience of more than 15 years which is 29 person or as big as 58%. Thing this show that respondent already enough long Becomes fisherman. The length of experience from fishermen will influence one's income in carrying out his work as a fisherman.

Results Test Instrument.

Validity Test

Based on validity test calculation results of fisherman's income variable with using SPSS 21 conclusions can be drawn that all statement in questionnaire valid because have score r count bigger from 0.2787 so that items statement could opt-in questionnaire study which actually. Value of r count variable X1.1 (item statement of fisherman's source of income from business arrest fish) as big as 0.440 > 0.2787 and score r counts variable X1.2 (item statement source income fisherman from effort side) as big as 0.657 > 0.2787 (Table 2).

Table 2: Fisherman Income Variable Validity Test Results (x)

Indicator	r count	r table	Description
X1.1	0,340	0,2787	Valid
X.2	0,657	0,2787	Valid

Source: primary data (processed data)

Table 3: Economic Improvement Variable Validity Test Results (Y)

Indicator	r count	r table	Description
Y1.1	0,638	0,2787	Valid
Y1.2	0,784	0,2787	Valid
Y1.3	0,787	0,2787	Valid

Source: primary data (processed data)

Results test validity based on results calculation of the economic improvement variable with use SPSS 21, obtained results score r calculate variable Y1.1 (fulfilment statement item daily needs increased) by 0.638 > 0.2787, r count Y1.2 (item statement capital effort increase) 0.784 > 0.2787, r counts variable Y1.3 (item statement savings increase) 0.787 > 0.2787. Results test validity based on the results of the calculation of income variables with use SPSS 21 could take a conclusion that all question in the questionnaire is valid because it has a more count r value, 0.2787 so that items questions can be included in the questionnaire research that actually (Table 3).

Reliability Test

Results test reliability based on results calculation of the economic improvement variable using SPSS 21, obtained results score coefficient alpha Cronbach variable income fisherman (X) as big as 0.782 and score coefficient alpha Cronbach variable enhancement activity economy (Y) is 0.785. Based on the results the analysis obtained the value of the Cronbach alpha. the coefficient for variable the score has a coefficient Cronbach alpha bigger than 0.60; so the conclusion is that the instrument is reliable and could be used as a real data collection tool (Table 4).

Table 4: Reality Test Results

Variable	Alpha Cronbach	Description
Fisherman's Income (X)	0,783	Reliable
Increased Economic Activity (Y)	0,783	Reliable

Source: primary data (processed data)

Results Data Analysis

Coefficient Test Determination (R2)

Based on the calculation of the results SPSS, the result is that the *adjusted* R2 value is 0.757, Thing which means 76% variation in change enhancement activity economy house ladder fishermen can be explained by the variation of the variable independent that is, income fisherman. While the remaining 29% is explained by factors another outside model (Table 5).

Table 5: Coefficient test determination results

Model	R	R Square	Adjusted RSquare	Std. Error of the Estimate
1	.776 ^a	.757	.715	.50106

- a. Predictors: (Constant), Fisherman's Income
- b. Dependent Variable: Increased Economic Activity

Partial Test (t Test)

Coefficient regression income fisherman (X) is as big as 0.566. Coefficient indicates that there is a positive relationship between income fisherman to the enhancement of economic activity. Every increase in income for fishermen have a positive impact on increasing the legitimate economy public house ladder fisherman, even so on the contrary every drop in income fisherman will impact to drop activity economy public house ladder fisherman. Because the level significance fisherman income variable (X) is smaller than 5% ($0.021 < 0.05$), so variable income fisherman (X) takes an effect positive and significant to the enhancement of activity economy (Y) in Village Boneoge Subdistrict Banawa Regency Donggala (Table 5).

Table 5: Partial Test Results (t-Test)

Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig
	B	Std. Error	Beta		
(Constant)	.899	.311		2.317	1.546
Fisherman's Income	.566	.126	.755	3.525	0.21

- a. Dependent Variable Increased Economic Activity

Discussion

Based on results processing data SPSS, income fisherman takes to effect positive and significant to enhancement economy house ladder fisherman in Village Wwangrii Subdistrict Malili East Luwu Regency. Good fisherman income which sourced from effort arrest fish nor effort side

fisherman will impact to enhancement economy public fisherman, even so on the contrary drop income fisherman will impact to the decline in community economic activity fisherman in Village Boneoge Subdistrict Banawa Regency Donggala.

Results calculation regression has shown the consistency to the theory put forward by Keynes in Mankiew (2013), that enhancement income will impact height consumption and savings Public, enhancement savings community on the turn will impact to height accumulation capital so that business capital will also increase along with enhancement income and savings Public.

Theory the supported by the findings study conducted by Bastian (2004), which uncover that income fisherman positive and significant to enhancement activity economy good amount savings community, community venture capital stock, and fulfillment needs daily Public to follow experience enhancement.

Income fisherman which takes effect significant to enhancement activity economy Public in village Boneoge no miss from contribution income which obtained from both fishing and fishing community side business. height income which obtained from effort arrest fish no miss from enhancement production of fish caught Public. Utilization of technology which is helped by the government area is one factor that is quite helpful in enhancing production results catch. Fish Finder technology which is a tool in identifying existing fish for group fishermen is something technology which appropriate to use which put forward aspect effectiveness in pushing cost production, and in turn, will increase production and income. Besides that, policy subsidy ingredient fuel for fishermen is also very useful in pushing cost production so that income clean that acceptance also increases.

While the increase in fishermen's income from effort side no miss from role women or wives who also have responsibilities answer which same on enhancement economy family. the role of a woman very take effect, where they must work look for living for needs economy family by developing home industry ladder-like drying or salting fish, processing fish into shreds, smoking fish, and type effort micro other. So that income fisherman not only from effort arrest fish just will but also effort side which managed by wife fisherman, conditions the of course just impact to economic improvement family.

Conclusion

Based on the results study which has been conducted, so conclusion from the study is. from score coefficient, regression income fisherman and level significance could be concluded that income fisherman takes to effect positive and significant to enhancement activity economy public fisherman in Village Boneoge Subdistrict Banawa Regency Donggala. This is caused because fishermen's income is

quite high from the results of go to sea so that push growth per capita Public which support existence enhancement economy in Village Boneoge Banawa District, Donggala Regency.

Suggestion

From the results and discussion study, so there is several Thing the writer recommend as follows:

1. Recommended to fisherman in Regency Donggala specifically in Village Boneoge Subdistrict Banawa wish more increase knowledge and peng his dominion in use technology fishery so that, results catch can more increase and, on the turn, will increase income and activity economy other.
2. It is recommended that the local government push enhancement industry home which in perseveres by house ladder public fisherman with help provides access capital, of course just with a flower which relatively low for development effort micro which owned public fisherman.
3. Expected so that help subsidy which so far given by the government area for public fisherman so that keep going next even added value, because very help fisherman in reducing expenditure cost for necessity ingredient burn, with thereby income clean which received by fishermen will increase

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