



Impact of Smallholder Mining in Central Kalimantan

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A B S T R A K

The Benefits of Gold Mining for Community Benefit in Parenggean District, and aims to determine gold mining practices by the community seen from the contracts used between laborers and landowners. This study uses a qualitative approach and the type of research is descriptive. Informants consist of the community. Collecting data with interviews and observation techniques. The results of this study indicate that gold mining practices in terms of contracts used between workers and landowners are in accordance with economic principles such as contracts made directly between landowners and workers. The contract was carried out by a reasonable party, there was a consent granted, but in terms of the object being contracted, namely gold on the surface of the earth, its existence cannot be ascertained.

INTRODUCTION

Gold mining in Parenggean District is located in the river area. Development of gold mining in Parenggean District, Central Kalimantan, has had an impact on well-being public. Well-being public around seen with the opening of new jobs which naturally will affect income public from results which obtained Work US miners, good become US token which own land mine, public which become worker in mining no owner land location mining which for rent For done. There are various form profession in activity mining gold Of course, the income earned also differ among toke, landowners and mine workers. Income the Also very determined with rates gold which succeed obtained during processing (Observations, 28 December 2022). Not only in terms of economics from the opinion of working as miners, the existence of gold mining in Sungai District Mr this Also open fields work public likes opening trading small in form stall. Well-being social public Also seen with levels education his family which the more tall as well as ownership secondary needs in the form of motorbikes and even parts most people already have a car. Among the people around area mining Also seen exists opening fields work likes exists roadside stall Eat And drink, small stalls and even the emergence of various parking locations (Results Observations, December 28 2022).

According to Law Number 11 of 2009, regarding Community Welfare, is a condition of fulfilling needs material, spiritual, and social citizens in order to live decently and able to develop themselves, so they can implement social functions. We can observe the law above that the measure of the level of well-being can be assessed from the ability of a person individuals or groups in an effort to meet material needs and his spirituality. Material needs we can relate to income that will later realize the need for food, clothes and boards.

The most important thing is the benefit of society Welfare is mainly related to income, due to several aspects from well-being house ladder depends on levels income. Fulfillment of needs is limited by household income owned households, especially for those with low incomes. The more tall income house ladder so percentages income For food will be more reduced (Mother, 2011).

Various indicators of welfare about the community Also seen on worker which involved in sector mining existing ones have impacts to well-being public local good in fields social as well as the economy. This is indicated by the opening of the field jobs for the community ranging from adults, youth and even kids. Gold mining in Parenggean District at first it was done by the people traditionally, however along with the development of recent times began to use tools heavy For exploits gold river flows which formerly famous with that water clear.

The problem of the benefit of the people as the impact of the activity mining gold in Subdistrict parenggan , is Still there is part miners which do activity ignoring religious orders both personal no social social . kindly personal part public No again operate worship must because Lots use up time in location mining even moment month Ramadan arrived part worker No fast

with reason work heavy. Activity religious likes recitation routines in Subdistrict River Mr Also almost No held again (Results observation, December 28, 2022).

There is influences mining gold to benefits people especially in aspects well-being socioeconomic public supported by study earlier likes Rahmawaty's research (2014) which says that change social public Tulabolo East Subdistrict Suwawa East Regency bones Bolango before And after exists mining is very different from the society that its life mediocri become prosperous. Study Setiana (2017) say that impacts social which generated consequences exists gold mining is the transition of people's jobs into gold miners, and the resulting economic impact is enhancements income public, anyway impacts environment which generated is damage land agriculture, happening flood or landslide And happening accident as well as death while carrying out mining activities. Sahrun (2008) in his study explained that the positive impact of the activity nickel mining on the socio-economic conditions of the community in Subdistrict Tinangea that is: income public increase, Increasing opportunities and employment opportunities for local people, Lots public which open business small, increased assistance for the construction of public facilities (such as mosques, road, light lighting And means education), reduce unemployment rate, and increased spending on goods and services by public. Based on the background above, it becomes a formulation problem in this research is how influences activity mining gold to benefits public in Subdistrict parenggean East Kotawaringin Regency ?

EXAMINATION AND METHODS

A. Understanding Activity Mining Gold

According to the Big Indonesian Dictionary (2005) activity is liveliness, activity. According to Nasution (2010), activity is liveliness physical And spiritual And both must connected. According to Darajat (2011), activity is doing something brought to directions development physical And spiritual. According to Sriyono (2011) activity is all activity which either physically or spiritually implemented. According to Anton M. Mulyono (2001:26), activity it means "activity or liveliness". So all something which done or activities which happen good physical no non-physical, is an activity.

In philosophy, activity is something connections special man with world, something process which in his journey man produce returns And transform natural, for he makes himself the subject of activity and phenomena natural object activity. in psychology, activity is A a concept that contains the meaning of individual functions in their interactions with surroundings (Damanik , 2008). From a number of definitions on can taken conclusion that activity is do something good which associated with physical no spiritual in the interaction with surrounding.

Mining is part or all of the stages of activity in framework study, processing And exploitation mineral which covers investigation general, exploration, studies appropriateness construction, mining, processing And purification, transport And sales, as well as activity post mine (Constitution number 4 year 2009). in Dictionary big language Indonesia (KBBI, 1990) which meant with mine is dig (take) goods mine from in the ground. Then, Abrar (2004) states that effort mining on in fact is business taking material excavation from inside the earth.

Mining is Wrong One type activity which do extraction mineral And material mine other from in the earth (activities to extract natural resources from within earth). Though mining is process taking material that can be extracted from the earth, and mines is a place or location where mining activities occur. in law positive which meant with mining is part or all of the stages of activities in the framework of research, management and exploitation of minerals or coal which includes investigation general, exploration, studies appropriateness, construction, mining, management And purification, transport And sales, as well as activity post mine.

Mining is Wrong One type activity which extract minerals and other mining materials from the earth, One of them is gold mining. gold is Wrong One type material mine which has great economic value tall. mining gold without permissions (CHEST) is activity mining which No have permissions or illegal. Activity mining this done in a manner traditional, which usually carried out by the people on the banks of the river by panning. however matter this already done with machine jet And para miners wild also use chemicals (Zidny , 2013).

Wrong One type goods mine play is gold. even can say US backups riches something country. gold made become jewelry with marks sell which very tall. Even the price has never decreased and tends to keep going up. It is not uncommon for gold to be used as investment period long because own opportunity which Enough tall (Nandang , 2013). waste liquid processing ore gold generally contain various types of heavy metals including iron (Fe), Copper (Cu), Lead (Pb) and Zinc (Zn). the metal may originate from overburden stripping and processing activities processing (Prasetyo , 2013).

Process processing ore gold covers destruction, grinding, cyanidation , metal bonding to the carbon surface, release of metals from carbon bonds and removal of metals on cells. Product play is generated *bullions* (metal ingots) anyway product side is waste which called *tailings* which contain cyanide. waste (*tailings*) will processed on part *tailings treatments* And *cyanide destruction plant* (Lesmanawati , 2005).

Tailings are waste mud remainder process cyanide Carbons in Leach (process dissolution gold And silver, which followed absorption by carbon active). Tailings are residue which originated from remainder processing ore after target mineral play separated and usually consists of various sizes grains, that is: fractions sized sand, silt and clay. In

mineralogy tailings can consists on various mineral such as silica, silicates iron, magnesia, sodium, potassium, And sulfide. of mineral- of these minerals, sulfides have chemically active properties and if touch with water will experience oxidation so that form salt characteristics sour And genres sour contains a number of toxic metals such as As , Hg, Pb , and Cd which can pollute or damage environment (Herman, 2006).

Miners are forms or stages which are in framework management, study, transport And sale activity after mine. According to Sukandarrumidi (2011) Mining is a business carried out by a person or body law And body business which where For take a mineral that aims to be utilized more for man. Mining activities are activities of searching and Also learn worthy nope material excavation the And also utilization material mineral no For interest from company, the local community, as well government. On basically mining have characteristics, one of which is non-renewable (cannot be updated). Mining that has this characteristic is at a higher risk And business own impacts environment good physique and relatively higher social status as well exploitation commodity on generally. Mineral And coal is sources power natural which mastered country, by therefore management must give marks plus for economy national to use reach prosperity And well-being people. For reach objective on, so management of mineral and coal mining must be based on benefits, fairness and balance, as well as alignment with the interests of the nation. So that is the basis of mining law namely article 33 of the Constitution of the Republic of Indonesia year 1945, namely:

- (1) Paragraph (2) Important and dominant production branches wish many people's lives controlled by the state
- (2) Paragraph (3) Earth and water and the natural resources contained therein inside mastered by country And used For big people's prosperity.

Activity mining gold done by public with a number of stages, including:

a. Investigation General

Is an attempt to investigate the general geology or physics, in mainland waters or from water, all something with a view to determine the presence of the substance excavation on generally. On stage this usually will gave birth to the pros and cons that sparked the seeds of division in public.

b. Stages Exploration

Is the stage of all mining geological investigations For decide more thorough / thorough exists characteristics put material excavation. On stages this conflict between owner interest start open, on position this usually government start show partiality on company. Information which the more intersection siur the more disturbing the public, cajoling, intimidating, to terrorize And the threat is increasing.

c. Stages Exploitation

Is a stage of the mining business with the intention to produce material excavation And take advantage of it. On stages this commencement

destruction mountains, forest, river, and sea, process disposal waste tailings which will poisoning water and food sources. At this stage also occurs mastery of natural resources, environmental pollution And process of impoverishment of the surrounding community.

d. Business Processing and Purification

On stage this processing For heighten quality material excavations as well as to utilize and obtain the elements contained in minerals. At this stage often found company mining or business people which throw away results from extraction which No useful become waste which can threaten health And safety public around.

e. Business Sale

Is everything business selling minerals and results management /refining of minerals.

f. Classification Results Mine

in classification results mine, Ngadiran in Sulto (2011) explain permissions business mining covers permissions For utilise material excavation mine which characteristics extractives such as group A mining minerals, group B, and group C. There are many types of natural resource materials mine contained in Indonesia.

From that's all type material mine which There is that in for become two class, that is as follows:

- (1) Group A strategic minerals, consisting of petroleum, asphalt, anthracite, rock coals, rock coals young, rock coals old, bitumen, liquid bitumen, solid bitumen, natural gas, earth wax, radium, thorium, uranium, and radioactive minerals other (between others are cobalt, nickel and tin).
- (2) Group B vital minerals, consisting of mercury, antimony, achlor, arsin, bauxite, iron, bismuth, cerium, gold, diamonds, chorm, manganese, silver, 30 plastic, rhutenium, zinc, copper, lead, titan/titanium, vanadium, wolfram, And ingredients metal other rarities (among others barite, sulfur, beryllium, fluorspar, bromine, koundum, cryolite, creolin, crystal, quartz, iodine, and zircom).

Based on the type of classification, mining activities consists of two types, namely mining activities carried out by body business which appointed in a manner direct by country through Mining Authority (KP) and Contract of Work (KK), And mining which done by people in a manner manuals. Activity mining by body business usually done by using more sophisticated technology resulting in results expected more with more time allocation efficient, anyway mining people is activity mining by using tools simple.

MET HODOLOGY Y

Approach and Type Study

Approach which worn in study this is approach qualitative. Bodgan And Taylor in Basrowi And Kelvin (2008), argues that a qualitative approach is a research procedure that produces descriptive data in the form of written

words of people and observable behavior. The choice of a qualitative approach in this study is due to: researchers utilize data from interviews, observations and documentation such as photos of gold mining activities and records daily para miners And token gold. it means No use the numbers from the questionnaire results. this approach is used also because the results of the research will be explained in the form descriptive words. Types of research used in research this is method descriptive that is US procedure solved the problem being investigated (a person, institution, community, etc.) others) at the present time based on the facts that appear, or as it is (Nawawi , 2007).

Based on opinions in on, so study descriptive is type study which describe object study based on data and facts, and analyze it through the concepts drafts which has developed previously, with researcher US instruments in solve the problem. Therefore, in this study the researchers went directly to the location research and with the research results obtained in accordance with title researcher so researcher give description about influences activity mining gold to benefits public in Subdistrict Parenggean Regency East Kotawaringin.

A. Location Study

The research location is the place where the research is being conducted. Anyways study this held in the District Parenggean Regency East Kotawaringin. The selection of this research location is based on results observation beginning that public local Still active do activity mining in a manner illegal, as well as song which done has impacts to public good economy, no social religions. However, impacts the Also show exists levels benefits which no againnotice religious values.

B. object And informants Study

The research object is the research target. Research objectives the No depends on title And topic study but in a manner concrete a in formulas problem study (Bugin , 2011). As for which become object study in study this is influences activity mining gold to benefits public in Subdistrict Parenggean Regency East Kotawaringin .

RESULTS AND DISCUSSION

From expressions in on, so can is known that activity mining gold which done by the people of Parenggean District, Kotim Regency, namely mine gold which characteristics illegal and is not justified in statutory regulations apply. Various reprimand from party government in levels regency And even province through party police No be heard by public local, even keep going own For do activity mining in area Parenggean District, Kotim Regency.

Gold mining practices carried out by the community in Parenggean District, Kotim Regency, when viewed from an economic aspect then it can be explained in various aspects, especially the aspect of the contract which done by owner land mine, para manager which managing the land as well as workers who are used as wage laborers by the manager. There are three

parties involved practice goldmine this said by father Abdul Ihsan , one of the toke managers of gold mines in Parenggean District, Kotim Regency, ie as follows:

Party which involved in practice mine gold in Parenggean District, Kotim Regency on average There is three party, ie land owner who provides the land for cultivation results gold, party token which finance activity mining And para worker which paid by second the previous party (Interview : Mr. Abdul Ihsan, 29 December 2022).

expressions in on, so can explained that in Gold mining activities in Parenggean District, Kotim Regency involve three parties, namely land owners, managers and workers. this matter of course because the three parties have entered into an agreement or work system contracts with each other. Agreement made in co-managing this gold mine, of course it shows exists contract which done, good between owner land with managers, managers with workers or workers with land owners. By Therefore, in this section the focus is on the contractual aspects between parties which involved in activity mining gold in Parenggean District, Kotim Regency itself.

" Akad between Land Owners and managers in practice mining gold"

The first collaboration was established in mining practices gold in Parenggean districts, Kotim Regency is between owner land mining with the manager who is willing to manage the land for gold digging. The contract took place between owner land with manager this started with extension para the manager goes to the land owner's house to ask permission for his land can be managed to become a gold mining area. this matter as said by Mr. Rudy as one owner land mining gold in Parenggean District, East Kotim Regency, ie as follows:

The land that I have around the river is currently cultivated by managers with a profit sharing system based on percent. I earn 20% without working while the rest is mastered by the manager and his workers as well as the rental of heavy equipment form Beko And etc become dependent manager (Interviews: Mr. Rudy, 5 January 2023).

Say in on show that in contract which There is an agreement between the land owner and the manager binding related to the distribution of results obtained from excavation mining. Akad in profit sharing cooperation between investors the land owner leads to the type of *mudharabah contract* , namely the contract business cooperation between two parties on which is the first party called *sahib al-mal* provide whole capital And result divided by the land owner according to the agreement. This happens when owner land visited by party manager which own capital For open business mining. matter this likes which be delivered by father Abdul Courtesy Wrong One token in Parenggean District, East Kotim Regency, namely as follows:

I start open land mining gold in Parenggean District, Kotim Regency a year 2010, moment get permissions Work The same with Wrong a public owner land in Parenggean District, Kotim Regency. At first I went to his house and was offered a job The same For stage excavation in Wrong One location owned by residents. The agreement is made verbally only. without exists information written which tie (Interviews

: father Abdullhsan , 29 December 2022).

The information above shows that the contract is intertwined between done in a manner orally which its nature tie with distribution results which obtained in a manner percentages between manager with land owners. The above information is then corroborated by reveal one of landlord, ie as following:

I moment give permissions to party manager land mine in land which I have stage a number of agreement with token the, likes provisions tools by token alone, person which employed And capital other. Though I US owner land only only receive a percent of the results obtained, namely 25% (Interviews: Mr. Rudy, 5 January 2023).

Based on information in on, so can is known that the contract is carried out by the land owner with the manager US provider capital management belong in contract *mudharabah* where agreement done in a manner direct stare the face of both parties without making a written statement but each other Work the same and trust from both party.

The information above shows that the agreement between toke with workers is also carried out directly by both parties, without the presence of witnesses in the contract. Contract from the second party this Also done without exists proof written, it means contract this can separated when just by second party If No There is again suitability of the distribution of results or salaries received by workers or worker performance that no longer makes them feel satisfied performance. Based on various information in on, so can it was concluded that the contract was carried out by the worker with a toke belonging to the ordinary contract or *muzara'ah* where the agreement between token with worker can end If Wrong One party No again get profit of results which managed.

"Influences Activity mining gold To Benefits Public "

The existence of gold mining in Parenggean District has brought benefits to society. It is marked with the fulfillment of various economic needs both needs primary in the form of groceries and so on, secondary needs and even tertiary which is characterized by having valuable items such as motorized vehicles and even cars in price capacity which tall. Apart from that the impact this gold mining has made social welfare of the gold miners in the District Parenggean Also belong good . matter this be marked with the education level of the miners' children is almost on average going to school starting from elementary, high school, high school and even one of them There is who are up to undergraduate level S-1 and S-2. which First is to fulfill personal needs with legal assets, prevent him from humiliation, begging, and keep hands to be on top. Therefore for every community trying utilise sources experience no sources power natural which available For fulfil needs his life. Management sources power natural mine must still guards balance And sustainability natural, because damage sources power natural mine by man will Lots one influence which arise good influences positive no influences negative. Like the gold mining in Parenggean District which is mined And managed by local community.

Mining gold which located in Subdistrict Parenggean is a gift from God that must be utilized for prosperity and welfare of society. But in reality mining gold this already raises influences negative to condition environment form damage forest And pollution water from mining waste.

CONCLUSIONS AND RECOMMENDATIONS

In general, mining is a type of business that has many advantages. Mining itself is defined as an activity in taking valuable or valuable mineral deposits from the earth's crust. This activity can be done manually or mechanically. The results of these mining activities include oil and gas, coal, iron sand, tin ore, nickel ore, bauxite ore, copper ore, gold, silver ore and manganese ore.

Basically, mining is a series of activities in the search, utilization, mining, processing, refining, and selling of minerals. The minerals in question consist of various types of minerals, including:

- Minerals
- Geothermal
- Coals
- Oil and gas.

In the field of mining, this is nothing new in everyday life and has even become an interesting issue after the end of the New Order era. As we can see, developments in the mining sector are running smoothly.

Initially, the mining sector was present because at that time the government was in need of a lot of funds in the transitional period after the end of the new order, so the government began to actively seek and offer foreign investors a place or space that could be used as widely as possible to do business in Indonesia.

Currently, all matters relating to mining have been regulated in Law Number 11 of 1967. In this regulation the government also includes the development of a system called KK (Work Contract). This was done in an effort to attract more investors. The people's mining in Parenggean District has been beneficial to the community and has turned economic conditions in Parenggean District, Central Kalimantan, into progress and development.

REFERENCES

Arif, *Total Mine Planning as a Completion Effort problem Environment World mining*. Manado:University Sam Ratulangi, 2007.

Bugins, Burhan. *Methodology Study Quantitative (Communication, economy, And policy Public As well as Sciences social Others* . Jakarta: Kencana Prenada Medium, 2011.

Caprara, Abrar Saleng, *law mining* . Yogyakarta: UII press, 2004.

Diener, E. (2000). Subjective well-being: The science of happiness and a proposal for a national index. *American Psychologist* . <https://doi.org/10.1037/0003-066X.55.1.34>

- Faisal, Sanafiah, *Social Research Formats* . New York: Kings Grafindo homeland, 2007.
- Ghazali. *Fiqh muamalah* , Jakarta: golden. 2010.
- GV, & Zimbardo, PG (2004). Personalizing politics: A congruency model of political preference. *American Psychologist* . <https://doi.org/10.1037/0003-066X.59.7.581>
- Haerani, S., Parmitasari, RDA, Aponno, EH, & Aunalal, ZI (2019). Moderating effects of age on personality, driving behavior towards driving outcomes. *International Journal of Human Rights in Healthcare* . <https://doi.org/10.1108/IJHRH-08-2017-0040>
- Haroen, Nasrun, *Fiqh muamalah* , Jakarta: styles Media Patama. 2007.
- Herman , *Insurance Management* . Jakarta: Earth Literature, 2006. [https : //www.mongabay.co.id](https://www.mongabay.co.id)1, accessed date 1 February 2020
- Idrus, Muhammad, *method Study Knowledge social*. Yogyakarta:Erlangngga, 2009.
- Lathif, AH. Azharuddin. *Fiqh Muamalat* . Jakarta: UIN Press, 2005.
- Lesmanawati , influence gifts compost, thiobacillus , and Gmelina and Sengon planting on gold tailingsbiodegradation cyanide And growth second plant[thesis]. Bogor: School Post Graduate, institute Agriculture Bogor. 2005.
- Lusardi, A., Mitchell, OS, & Curto, V. (2010). Financial literacy among the young: Evidence and implications. *National Bureau of Economic Research* , 358–380. Retrieved from <https://www.nber.org/papers/w15352.pdf>
- Mansyah , Study of the Impact of Coal Mining for Socio-Economic Life of the Community in the Java Village Sangasanga district. *Journal of State Administration* . 1(3), 2013.
- Mosher AT, *create Structure Rural progressive* . Jakarta:Yasaguna, 2011.
- Nandang, *theory And practice mining Indonesian* , (Yogyakarta: References Yustisia, 2013.
- Narwawi, Hadari, *Social Field Research Methods*, (Yokyakarta: Elephants Mada University Press, 2007.
- Prasetyo, Gold Mining *Method*. http://www.mineraltambang.com/ta_mbang-emas , 2013, accessed date 25 July 2018.
- Purnomo, VD, & Suryono, KE (2023). Efforts to Implement Rice Subsidy Distribution for Economically Underprivileged People in Kulon Progo. *Indonesian Journal of Business Analytics* , 3 (1), 57-74.

Purnomo, Rahmat, Jumadi

Rahmawaty, *The Impact of Gold Mining on Life Socio-Economic Society* , Journal of Economics. Banda Aceh: Unsyiah, 2014.

Sahrin , Impact of Nickel Mining Activities on Conditions social economy Public in Subdistrict TinanggeaSouth Konawe Regency , *Thesis*. Kendar : University Hello Oleo Kendari , 2008.

Salim Hs, *Mining Law in Indonesia* , Jakarta: Rajawali Pers. 2007.

Setiana , The Impact of Gold Mining on Social Life economy And Environment Public in SubdistrictBeutong Regency Nagans Raya. *Journals economy Development* . bands Aceh: Unsyiah , 2017.

Sugiyono, *Quantitative Approach Educational Research Methods, qualitative, and R&D* , (Bandung: Alfabeta, 2012.

Sabri, MF, & MacDonald, M. (2010). Savings Behavior and Financial Problems among College Students: The Role of Financial Literacy in Malaysia | Sabri | Cross-cultural Communication. *Crosscultural Communication* .
<https://doi.org/10.3968/j.ccc.1923670020100603.009>