



Study of Interaction Between Tourism and Fishery Activities in Boom Beach

Gisella JEANFANY, Urban and Regional Planning, UB; Indonesia
I Nyoman Suluh WIJAYA, Urban and Regional Planning, UB; Indonesia
Chairul MAULIDI, Urban and Regional Planning, UB; Indonesia

ABSTRACT

Tourism and fishery activities basically has different uses of space, there will be some challenges to find out how does these two activities be in side by side on a tourism development area. In this case, it is interesting to reveal the practical interaction and evaluate about both activities in supporting each other. According to the tourism masterplan of Banyuwangi Regency, East Java, Indonesia, there is a referral for tourism and fishery activities in order to support each other in one area, Boom Beach. The referral for interaction of supporting each other between tourism and fishery activities which mentioned in tourism masterplan of Banyuwangi Regency did not followed with step to realized it effectively yet. Moreover, development of tourism area in Boom Beach can not be optimally done. Concerning to the above situation, this research tries to evaluate how does the interaction of zonation of tourism and fishery activities in Boom Beach, is there something which makes tourism and fishery activities seperated in a different places. Analysis which done to answer the research question is evaluative analysis by employing activities map which got from questioaire and community mapping by users of the space. Tourism and fishery activities will be identified about where does both activities spread in Boom Beach and how does the movement of each activities. It results spread point of where tourism and fishery activities done also the route of movements map, those maps will be overlayed to evaluate zonation of tourism and fishery activities in Boom Beach. Based upon the result of this study, zonation of tourism and fishery activities in Boom Beach separated in two different places because both activities has a different needed of place, tourism activities in Boom Beach need a sandy place to support it's activities either fishery activities need a place near to the dock in order the local fisherman has a easier access to loading-unloading fish, selling fish and take the fish to the market. Moreover there is one activity which be able to help tourism and fishery activities has a supporting each other interaction, it is trading activities.

Keywords: Tourism, Fishery, Zonation, Interaction

INTRODUCTION

Boom beach is one of a lot of beach in Banyuwangi Regency, East Java, Indonesia. According to the tourism masterplan of Banyuwangi Regency, East Java, Indonesia, tourism zone which has been determined in Banyuwangi District is Boom Beach, Sri Tanjung Park and Blambangan Park. Therefore, Boom Beach is the only one beach which took place on the center of the regency, in Kampung Mandar Village, Banyuwangi District. The main activitiy in Boom Beach is tourism and fishery activities. The tourism masterplan has been planned for the develepment between tourism and fishery activities in Boom Beach area with supporting each other interaction. This plan is actualized with facilities development for the fisheries and tourism activities which is fish auction and spreading merchant. So far, there are not much improvement after the development. The facilities are not effectively utilized by the tourist and local fisherman. The new facilities does not support enough for interaction of both activities.

Based on the situation above, supporting each other interaction between tourism and fishery activities can not be realized just by adding some new facilities. Tourism and fishery activities basically has a different uses of space, there will be some challenges to find out how these two activities be in side by side on a tourism development area. In this case, it is interesting to reveal the practical interaction and evaluate about both activities in supporting each other. The evaluation done by identify every kind of tourism and fishery activities in Boom Beach and how does those activities route of movement in Boom Beach to determine where



were those activities area. For making a supporting each other interaction between both activities, it is need more consideration which is how does the interaction of zonation of tourism and fishery activities in Boom Beach. these research question is needed to find out the practical between tourism and fishery activities in Boom Beach, moreover the practical interaction will help researcher know what is each activities needed to keep evolve. What is needed mean whether supporting activity or supporting facility which need to add or bring closer to the tourism and fishery activities.

Study of practical interaction between tourism and fishery activities in Boom Beach need to be done to find out the pattern of users movement between tourism and fishery activities in Boom Beech according to activity in the space and users of the space by employing activity mapping. These activity mapping done by using questionnaire, interview and community mapping for each users of the space which is tourism and fishery activities in Boom Beach.

METHODS

Research Subject

Participant who get involved in this research is 100 people as a minimum spitulation of descriptive studies from Fraenkel, Wallen, Hyun (2011). The participate people consist of users who do any activities in Boom Beach. After being observed, there are three kind of users in Boom Beach which is tourist, local fisherman and merchant.

Interview was done to each participant who selected with random sampling method. Random sampling method is one in each and every member of population has an equal and independent chance of being selected (Fraenkel, Wallen, Hyun, 2011). Every users of boom Beach has a same chance to be selected as a participant whether they are tourist, fisherman or merchant. Participant who selected were interviewed with prepared quastionaire to result information needed. Interview was held in three main question, first question asked to find out what activities did users do in Boom Beach, in this question, participant asked to inform what their activities done when they were in boom beach. The second question asked to find out where were the activities did, in this question participant asked to point their location when they do activities in a prepared map also why participant choose the mentioned place to do their activities in Boom Beach. The third question asked to find out where was the route of their activities movement. In the third question, participant asked to draw their route of activities movements on the prepared map in order to give an accurate information.

Reseach Variable

Variable which uses in this research is according to Neil (2002), Neill brought a lively space concept which affected with nine characters. Lively space concept choosen to be a variable because it has a match variable which needed in this research. In this research only two charaters which needed to define the integration tourism and fishery activities that use as research variable. Two variable which uses in this research is activity in the space and users of the space. for detailed variable, explained in the table bellow.

Table 1. Research variable

Variable	Sub Variable	Reference
Activity in the space	<ul style="list-style-type: none"> Kind of activities Reason for doing activities IntenRegency 	Hamid Shirvani, 1985
Users of the space	<ul style="list-style-type: none"> Number of users Type of people 	Neil, 2002

Source: literature review, 2013

Sub variable of activity in the space taken from Shirvani (2002) from urban design elements concept. There were eight urban elements which mentioned in Shirvani's theory but in this research only put three characters from activity support elemen.

Analysis Methods

Analysis methods which use to answer the research question is making activities map which inform about where is the point of each activities done also where was the route of each



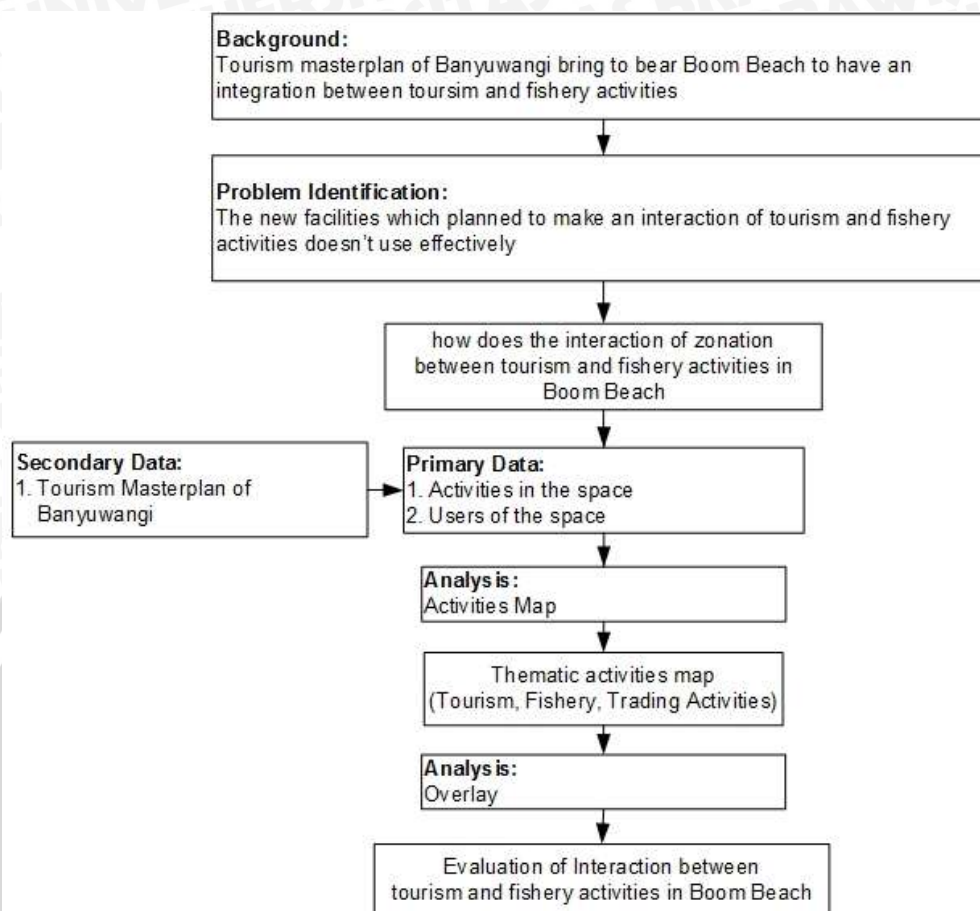
activities movements. Those information get from interview to users of the space, which is tourists, local fisherman and merchant. Based on interview, it identified activities in Boom Beach. There are three kind of activities which identified in Boom Beach, tourism activities (horse riding, playing water, playing ATV, playing billiards, playing football, playing volley ball, riding bicycle, take a walk, sit around, jogging and culinary), fishery activities (fishing, trawling, fish fence, salting and loading-unloading of fish) and Trading (merchant, hawkers and fish auction). Those activities were pointed on a map by each activity (tourism, fishery and trading activities) then complete with draw the route which participant inform when they were interviewed. The route drawing gives information about the activities which probably they do after they do one activity.

The route drawing also inform about what activities which passed another activities. The activities which route's passed with another activities mean that the activities has a interaction activities by each other. Based on the interview, also known what supporting activities and supporting facilities which be able to evolve the development of Boom Beach Area.

These mapping and interview results each activities mapping in Boom Beach (tourism, fishery and trading) which overlayed to find out the interaction between each activities in Boom Beach. Overlay analysis is overlaying between two or more maps which produce a new map. Overlay is use as an integrator of some indicators from thematic maps and it result an analysis map. These analysis map could be the a conclusion from some case. In "Evaluation of Interaction Between Tourism and Fishery Activities in Boom beach" research, overlay analysis is use to evaluate interaction between tourism and fishery activities, therefore activity area's map of each activity (tourism, fishery and trading activities) overlayed to produce one new map. Evaluation of interaction between tourism and fishery activities in Boom beach could be known according to these new map.

Research Design Concept

Research design concept which use in "Evaluation of Zonation Between Tourism and Fishery Activities in Boom Beach" start from an issue background then the issue are identified for the problems which be able to become a problem research. Afterwards, the research question was defined and look for the data which support the research. Analysis research defined and the analysis done until the research result known. The detailed step of the research design concept is draw to the diagram below.



Picture 1. Research Concept

Source: analysis, 2013

Background of this research is because tourism masterplan of Banyuwangi Regency which planned for tourism and fishery activities in Boom Beach doesn't realize effectively yet. The case known because of the interaction between tourism and fishery activities did not realize effectively either also the facility which planned to make an interaction between tourism and fishery activities in Boom Beach which is fish auction and spreading merchant does not use optimally by tourist and local fisherman. Therefore this research tries to find out how does the interaction of zonation between tourism and fishery activities in Boom Beach by employing activities map analysis. Activities map analysis which is use need some primary and secondary data, the primary data which needed is data is activities in the space and users of the space, the primary data gets from interview by users of the space. The primary data needed to find out what is the activities which users of the space done in Boom Beach and how the route of those activities is. Whereas the secondary data which needed is tourism masterplan of Banyuwangi Regency, the secondary data gets from Banyuwangi Regency government. Theses data needed to find out the research issue. The activities map analysis results thematic activities maps by each activities in Boom Beach which is tourism, fishery and trading activities.

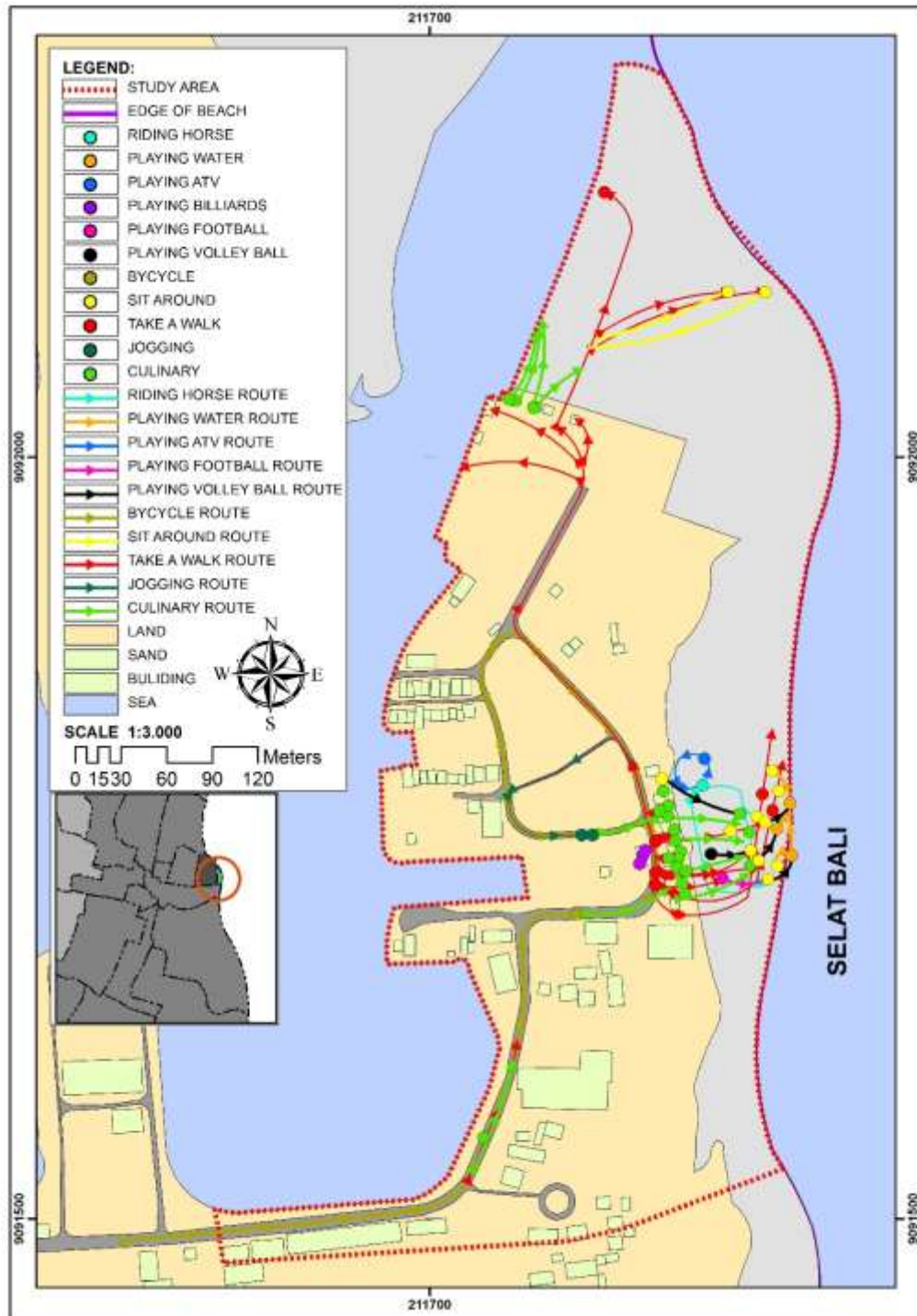
Afterwards, those thematic maps were use to evaluate interaction between tourism and fishery activities by employing overlay analysis. Overlay analysis need some data which is all of the thematic activities maps in Boom Beach. those data being overlaid to find out how interaction between tourism and fishery activities in Boom Beach.





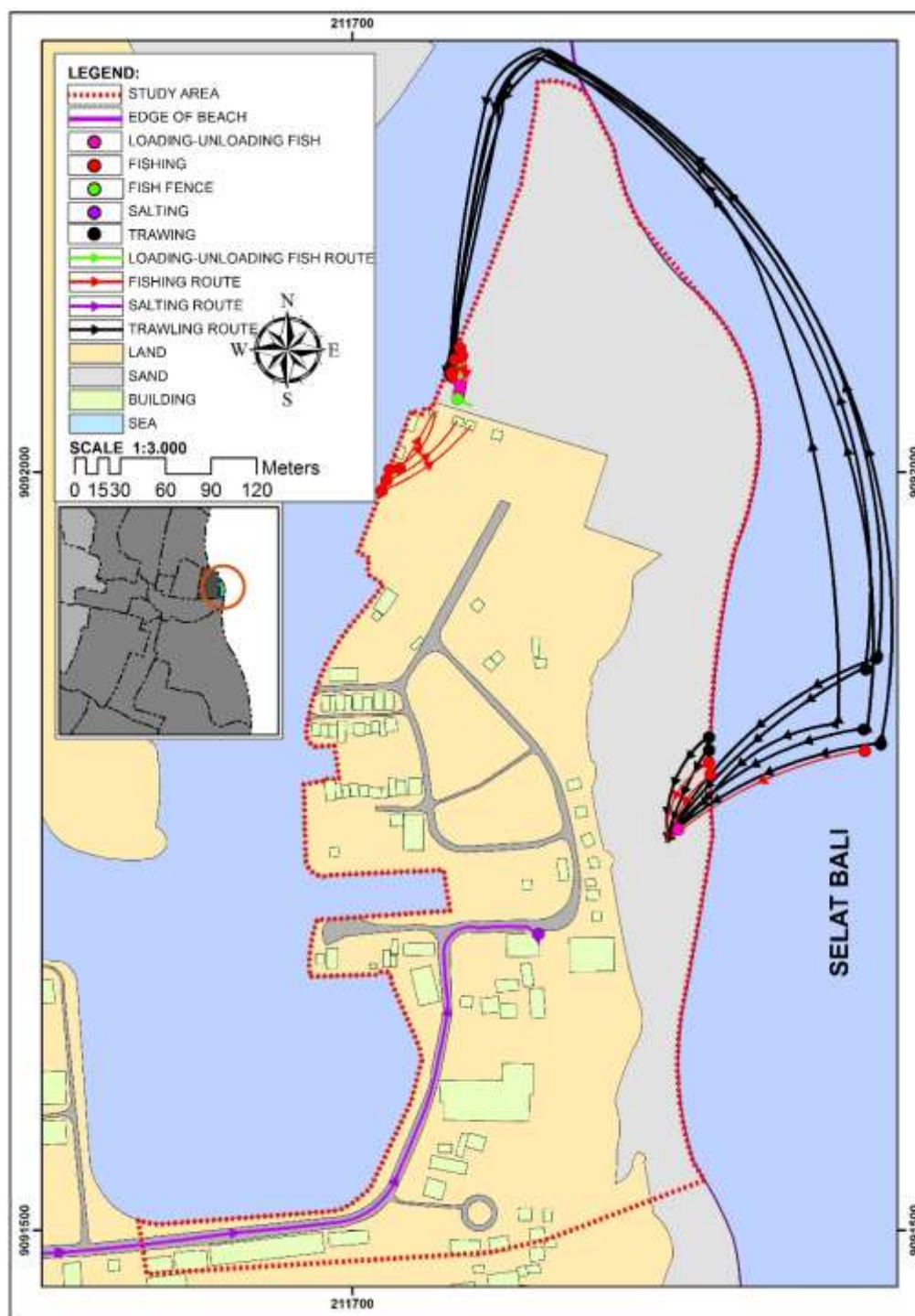
FINDINGS

The result of this research is evaluation of interaction between tourism and fishery activities in Boom Beach which is the result of activities map analysis and overlay analysis. There are thematic activity maps which exist in Boom Beach also the overlay result of those maps.



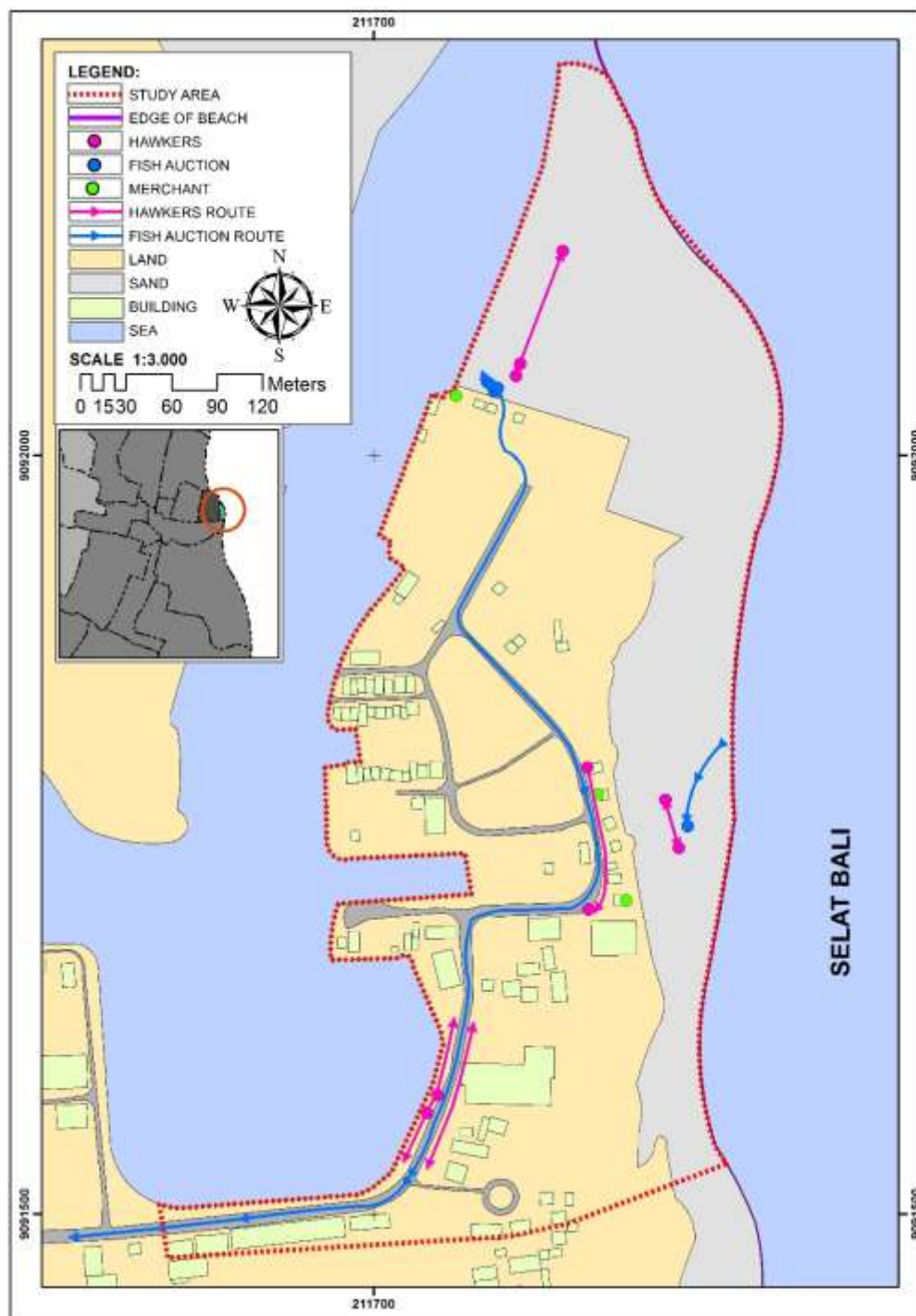
Picture 2. Point and Route Map of Tourism Activities in Boom Beach
Source: analysis, 2013





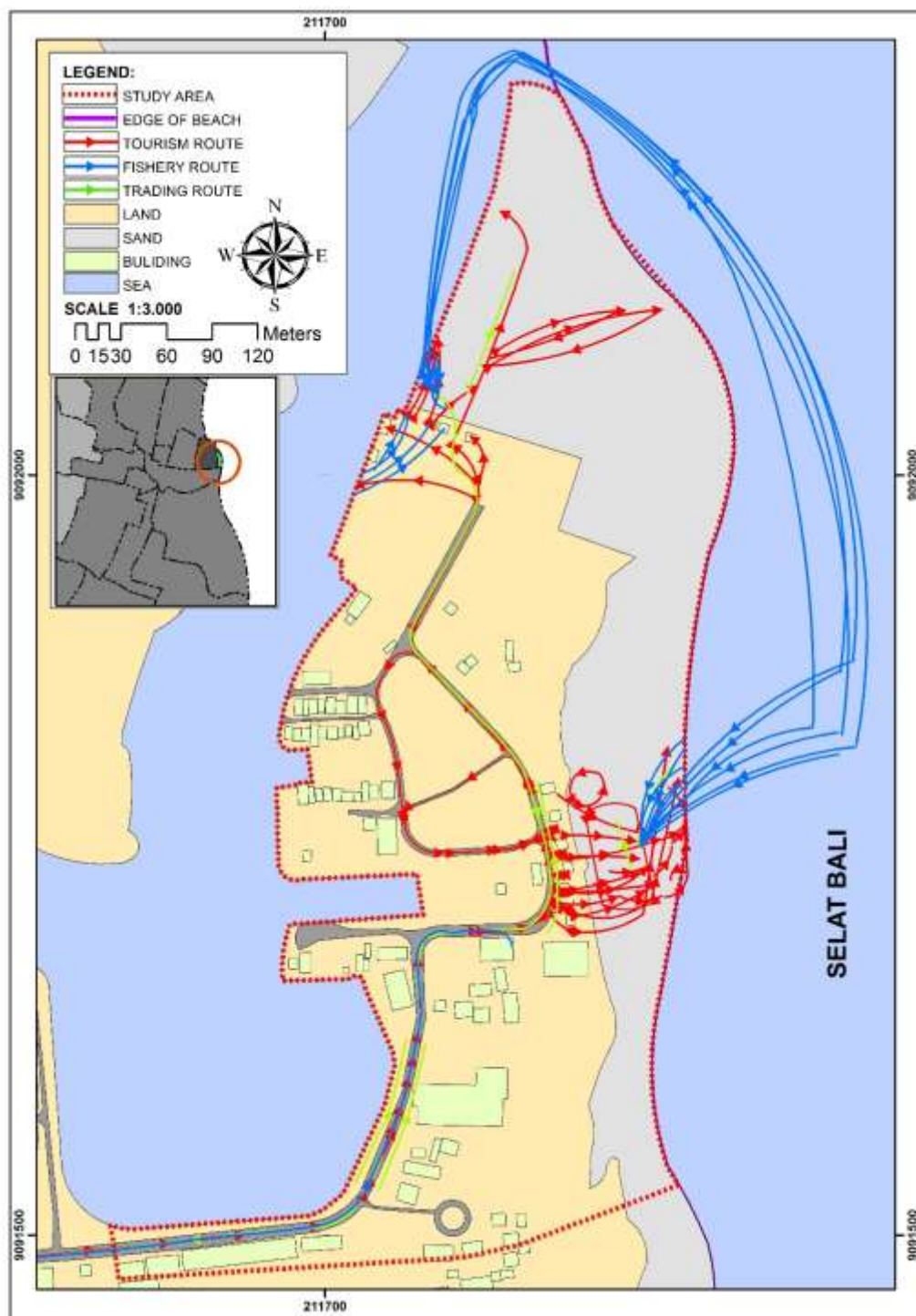
Picture 3. Point and Route Map of Fishery Activities in Boom Beach
Source: analysis, 2013





Picture 4. Point and Route Map of Trading Activities in Boom Beach
Source: analysis, 2013





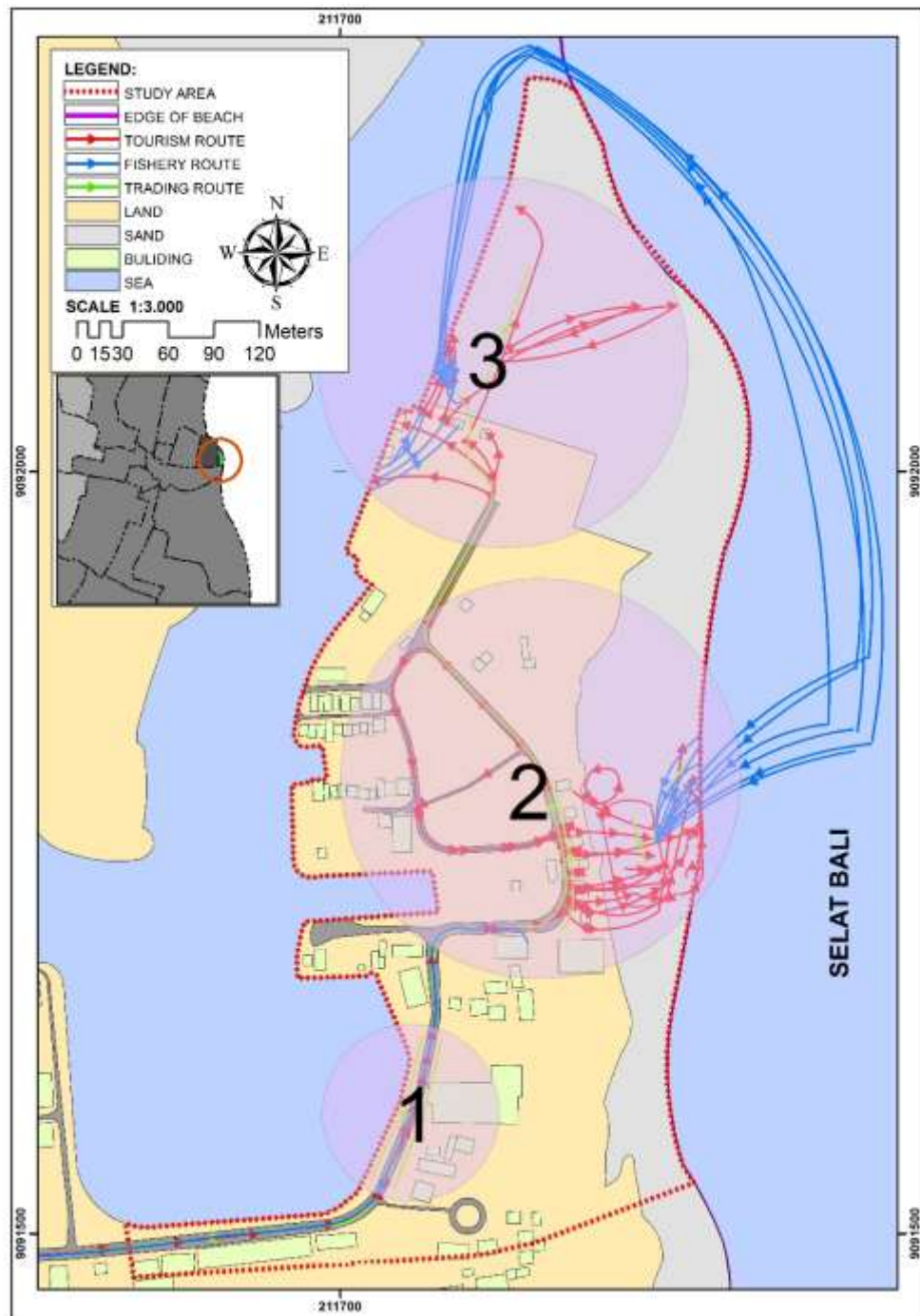
Picture 5. Point and Route Map of Activities in Boom Beach
Source: analysis, 2013





DISCUSSION

According to the result above, there are three areas of activities which is around the first dock, around the beach and around the second dock. From three areas above, the first area is around the dock, the second area is around the beach and the third area is near the fish auction and around the second dock.



Picture 6. Area of Activities in Boom Beach
Source: analysis, 2013





The first area which is around the first dock has the fewest activities, there are only culinary activities, take a walk and hawkers. The first area nuanced to the short culinary activity. It means tourist will not spend a lot of time in first area therefore the first area need to be in the side of road which lot of tourist passed by. The first area interaction in from tourist and hawkers, tourist which do culinary activities buy a snack from hawkers, there is no fishery activities in Boom Beach, there is just an pass by activity from fish auction to the market and from market to the salting building.

The second area has the biggest or the crowded activities which is tourism activities (horse riding, playing water, playing ATV, playing billiards, playing football, playing volley ball, riding bycycle, take a walk, sit around, jogging and culinary), fishery activities (fishing and trawling) and Trading (merchant, hawkers and fish auction). In the second area, trading activities in the beach is fish auction. The fish aution done there if water circulation into the second dock are closed because of silting by mud, therefore fish which local fisherman got after their fishing or trawling will be sell directly at the beach. Interaction which happen in second area is the complete one, there are tourism-trading interaction, trading-fishery interaction also tourism-fishery interaction. Tourism-trading interaction is happen when tourist who do culinary activity buy some food from hawkers or merchant. Trading-fishery activity is happen occasionally, when local fisherman cannot reach the fish auction caused by silting of mud, therefore local fisherman sell their fish directly at the beach. tourism-fishery activity is happen when tourist do fishing at the beach meanwhile their family do the tourism activity like sit around, take a walk, riding horse and many more.

The third area is around the second dock, it has activities such like tourism activities (take a walk, sit around and culinary), fishery activities (fishing, trawling, loading-unloading fish and fish fence) and Trading (merchant, hawkers and fish auction). The third area almost has the same activity like the second area but the third area is nuanced to the fishery activities whereas the second area is nuanced to the tourism activity. There is a facility which didn't use effectively in the third area which is a fish auction building, the local fisherman prefer to build another fish auction near the dock. Actually the first fish auction has a better accesibility to loading-unloading fish than the second fish auction because it's passed by main roads in Boom Beach, but the lack of first fish auction is accessibility from dock to fish auction is not too good. Moreover in the first fish auction tourist will be able to buy fish comfortably because the building of the first fish auction is bigger than the second one. Interaction in the third area almost similiar with the second area, there are tourism-trading activity, trading-fishery activity and tourism-fishery activity. Tourism-trading interaction is happen when tourist who do culinary activity buy some food from hawkers or merchant. Trading-fishery activity is happen when local fisherman sell their fish to the fish auction also when fish from local fisherman is load to the fish fence. tourism-fishery activity is happen when tourist do fishing at the dock meanwhile their family do the tourism activity like take a walk and culinary activity.

According to the analysis above, those three activities are spread in a different place but each area has a different nuance. The first area nuanced to the trading activity, the second area nuanced to the tourism activity and the third area nuanced to the fishery activity. The situation is because tourism and fishery has a different needs of place, therefore each area whith their different supporting activity and facility has a different nuanced of activity. The three areas which already identified has a different kind of activity, but all of them are supported with trading activities, because according to the analysis above, every area has a trading activity especially for merchant and hawkers. Trading activities in Boom Beach support a culinary activity moreover trading activity in Boom Beach also support a fish auction from fishery activity. Therefore for making an interaction between tourism and fishery activities by each area or each zonation, it is need an trading activity to be a connector of them. Fish auction could sell a fish to the merchant, and merchant can processes it become a sea food for attrack person who do a culinary activity. Trading activities can be a suporting activities or tool to make a good interaction between tourism and fishery activities in Boom Beach.



CONCLUSSIONS

According to the analysis above there are three areas in Boom Beach which has a different activity on it. First area is nuance as a trading activity, second area is nuance as a tourism activity and the third area is nuance as a fishery activity. Second area is the most crowded among the others, therefore second area can be identified as a center of activity in Boom Beach.

The three areas are separated in a different place but those three area still be able to have an interaction which is interacted by trading activities. Trading activities is the most interacting activitiy with the others on all of three areas. There are trading-toursim interaction in first area, trading-tourism and trading-fishery interaction in second area also in the third area.

RECOMENDATION

For better Boom Beach interaction development of those three areas, activity which need more attention is trading activity. Trading activity in Boom Beach has an ability to attract many tourist for has a culinary activities, besides trading activity also has an ability to make many of fish local product sold from selling fresh fish or processed fish as a culinary activity for tourist. Besides, it is need to take an attention to supporting facilities, such as road, because accessibility of reaching whether tourism object or fish auction are very important for support interaction between tourism and fishery activities in Boom Beach.

REFERENCES

- Fraenkel, J.R., Wallen, N.E., Hyun, H.H.. 2011. *How to Desin and valuate research in Education (8th ed)*. New York. McGraw-Hill Inc
- Masterplan of Banyuwangi Regency. 2010. Banyuwangi Government. Banyuwangi
- Neil, Elizabeth Errett. 2002. *Open Space for the Public: An Evaluation of Designed Open Spaces on Urban University Campuses*. Lousiana State University, The School of Landscape Architecture
- Shirvani, Hamid.1985. *The Urban Design Process*. New York. Van Nostrand Reinhold Company