Supplementary Material. Semi-structured questionnaire for sustainability, vulnerability of small-scale households in Anambas Archipelago MPA and their perspective to the MPA establishment

INTERVIEW QUESTIONS

(Your participation in this survey will be kept strictly confidential and no stored and published information can be used to identify the individual source of the information)

A. General Information

Q.1 Date :

Q.2 Location :

District :…….

Sub-district :…….

Village :…….

Q.3 What is your gender?

☐ Male ☐ Female

Q.4 Please specify your age?

☐ 18 – 24 ☐ 45 - 54

☐ 25 – 34 ☐ 55 - older

☐ 35 - 44

Q.5 Please indicate your educational achievement?

☐ Never attending formal school

☐ Primary school (completing or no completing, please mark)

☐ Junior high school (completing or no completing, please mark)

☐ Senior high school (completing or no completing, please mark)

☐ Graduate diploma (completing or no completing, please mark)

☐ Bachelor degree (completing or no completing, please mark)

☐ Post graduate Master ☐ PhD ☐

Q.6 What is your role in your family?

☐ Head of the family

☐ Household wife

☐ Immediate family member……

Q.7 What is your main occupation in relation to Anambas Marine Protected Area (MPA)?

☐ Fish farmer

☐ Tourist operator/businessman

☐ Fisherman

☐ NGO, government officer, or other, please specify…….

Q.8 Besides your main occupation, do you have other alternative source of income?..... .

Q.9 Do you have other immediate family members helping you to support the economy of your family?..... if yes, could you please explain? …….....
……
……

Q.10 Have you ever considered to shift from your current job to another one? ……, if yes, can you explain why? ……...
……
……

B. Stakeholder's perspective about Anambas MPA

Q.11 Do you know about the recent designation of Anambas archipelago as an MPA?..... If yes, could please explain what do you know about it?……
……
……

Q.12 Have you or others that you might know, ever been consulted or notified regarding the MPA and its zonation?....., if yes, could you please elaborate ……
……
……

Q.13 If you HAVE BEEN consulted or notified, please indicate your agreement with the designation of the MPA and its zonation.

☐ Agree ☐ Neutral ☐ Do not agree

Why?.....

Q.14 If you HAVE NOT BEEN consulted or notified, please indicate your agreement with the designation of the MPA and its zonation.

☐ Agree ☐ Neutral ☐ Do not agree

Why?.....

Q.15 In relation to your current job or knowledge, do you think the MPA will benefit you and the community as a whole?

☐ Strongly Agree ☐ Agree ☐ Disagree ☐ Do not know

Except "do not know", please explain why? …….
……
……

C. Ecotourism Sustainability

Q.C.1 How long have you been working in ecotourism?

☐ 1-4 years ☐ 5-9 years ☐ 10-14 years ☐ more than 15 yrs

Q.C.2 What aspect or service of ecotourism you are working for? ……

Q.C.3 How many working hours do you spend daily?.....

Q.C.4 How many working hours do you spend each week for the other jobs if any? ……(hours)

Q.C.5 Could you please indicate the range of your monthly earning from your main job?

☐ Less than Rp. 1.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000
☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 10.000.000 – more

Q.C.6 Could you please indicate the range of your monthly earning from your alternate job?

☐ Less than Rp. 1.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000
☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 10.000.000 – more

Q.C.7 Could you please indicate the range of your current savings

☐ Less than Rp. 1.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000
☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 10.000.000 – more

Q.C.8 Please indicate the stability of your earning for one-year period?

☐ Very Stable (11 - 12 months stable income)
☐ Stable enough (9 – 10 months stable income)
☐ Stable (7 – 8 months stable income)
☐ Somewhat stable (5 – 6 months stable income)
☐ Not stable (1 – 4 months stable income)

Q.C.9 Have you or your family members received any supports from the local/national government/NGO which, in any way, relate to the designation of Anambas region as an MPA?

a. Training ……. times
b. Funding scheme …… times
c. Scholarship …… times
e. Equipment …… times
f. Other, …… …….. times

Q.C.10 Have you or your immediate family members ever apply for credit from bank or other financial institution? ……., if yes, what is your impression on the process of getting it?…….....
.....
.....

Q.C.11 Were there any studies or activities conducted by institutions that specifically address the relationship between your type of livelihood and Anambas MPA?....., if yes, could you please
elaborate…….....
.....
.....

Q.C.12 Are there any specific national or local regulations/traditional laws/community agreements that intersect with your daily livelihood activities?....., if yes.. can you please explain:
What kind ……..
Who issued ……..……
How long has it been enforced……..……..

☐ Do you agree or ☐ disagree or ☐ do not know, with the regulation?
Except do not know, why? ……..…….
……
……

Q.C.13 Have you experienced any clash/conflict/disagreement with other community members or groups regarding the use or access of coastal space and natural resources? …… If yes, can you please elaborate? ……
……
……...……

Q.C.14 In doing your daily livelihood, are you working :

☐ Independently ☐ as a group ☐ as a network of groups

Q.C.15 What are the levels of education of your immediate family members?

Husband : ……..
Wife : ……..
Children : …….

Q.C.16 In your opinion, do you think that your daily livelihood activity is affecting the MPA environment? ……., can you please describe in what ways……...
……
……
……...……

Q.C.17 Regarding other livelihoods (fishing and fish farming), in your opinion, what are their effects to the MPA environment?.....
……
……

Q.C.18 From the list below, please indicate and rate the factors that you consider as risks to your livelihood from 1 (most important) to 5 (least important).

Vulnerability Factors	1	2	3	4	5
A. Cycles					
Climate season					
Seasonal weather condition					
Seasonality of market					
Other,……					
Other,……					
B. Trends					
Increasing food price					
Increasing cost of fuel					
Increasing price of equipment parts					
Increasing cost of health services					
Increasing water pollution					
Decreasing coverage of coral reef and other rsc.					
Climate change and sea level rise					
Other,……					
Other,……					
C. Shocks					
Storm and bad weather occurrence					
Change in the local political situation					
New regulation regarding access to the MPA areas					
Conflicts regarding access to the MPA areas					
Other,……					
Other,……					

D. Small-scale Fisheries

Q.D.1. How long have you been working in small scale fisheries?

☐ 1-4 years ☐ 5-9 years ☐ 10-14 years ☐ more than 15 years

Q.D.2. What aspect or service of small scale fisheries you are working for?
……

Q.D.3. How many working hours do you spend daily?.....

Q.D.4. How many working hours do you spend each week for the other jobs if any?
……(hours)

Q.D.5. Could you please indicate the range of your monthly earning from your main job ?

☐ Less than Rp. 1.000.000 ☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000 ☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000 ☐ Rp. 10.000.000 – more

Q.D.6. Could you please indicate the range of your monthly earning from your alternate job ?

☐ Less than Rp. 1.000.000 ☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000 ☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000 ☐ Rp. 10.000.000 – more

Q.D.7. Could you please indicate the range of your current savings

☐ Less than Rp. 1.000.000 ☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000 ☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000 ☐ Rp. 10.000.000 – more

Q.D.8. Please indicate the stability of your earning for one year period?

- ☐ Very Stable (11 - 12 months stable income)
- ☐ Stable enough (9 – 10 months stable income)
- ☐ Stable (7 – 8 months stable income)
- ☐ Somewhat stable (5 – 6 months stable income)
- ☐ Not stable (1 – 4 months stable income)

Q.D.9. Have you or your family members received any supports from the local/national government/NGO which, in any way, relate to the designation of Anambas region as an MPA?

a. Training ……

b. Funding scheme ……

c. Scholarship ……

e. Equipment ……

f. Other, ……

Q.D.10. Have you or your immediate family members ever apply for credit from bank or other financial institution? …….., if yes, what is your impression on the process of getting
it?…….....
.....
.....

Q.D.11. Were there any studies or activities conducted by institutions that specifically address the relationship between your type of livelihood and Anambas MPA?....., if yes, could you please elaborate…….....
.....
.....
.....

Q.D.12. Are there any specific national or local regulations/traditional laws/community agreements that intersect with your daily livelihood activities?....., if yes.. can you please explain:

What kind ……

Who issued ……..

How long has it been enforced …….

☐ Do you agree or ☐ disagree or ☐ do not know, with the regulation?.....

Except do not know, why? ……

……

……

……..

Q.D.13. Have you experienced any clash/conflict/disagreement with other community members or groups regarding the use or access of coastal space and natural resources?

……. If yes, can you please elaborate? ……

……

…..……...……

Q.D.14. In doing your daily livelihood, are you working :

☐ Independently ☐ as a group ☐ as a network of groups

Q.D.15. What are the levels of education of your immediate family members?

Husband : ……..
Wife : ……..
Children : ……..

Q.D.16. In your opinion, do you think that your daily livelihood activity is affecting the MPA environment? ……., can you please describe in what ways…….

……

……

……...…….

Q.D.17. Regarding other livelihoods, eco-tourism and fish farming, in your opinion, what are their effects to the MPA environment?.....

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……

……

Q.D.18. From the list below, please indicate and rate the factors that you consider as risks to your livelihood from 1 (most important) to 5 (least important).

Vulnerability Factors	**1**	**2**	**3**	**4**	**5**
D. Cycles					
Climate season					
Seasonal weather condition					
Seasonality of market					
E. Trends					
Increasing food price					
Increasing cost of fuel					
Increasing price of equipment parts					
Increasing cost of health services					
Increasing water pollution					
Decreasing coverage of coral reef and other rsc.					
Climate change and sea level rise					
F. Shocks					
Storm and bad weather occurrence					
Change in the local political situation					
New regulation regarding access to the MPA areas					
Conflicts regarding access to the MPA areas					

E. Small-scale Mariculture

Q.E.1. How long have you been working in fish farming?

☐ 1-4 years ☐ 5-9 years ☐ 10-14 years ☐ more than 15 years

Q.E.2. What aspect or service of fish farming you are working for?
……

Q.E.3. How many working hours do you spend daily?.....

Q.E.4. How many working hours do you spend each week for the other jobs if any?
…….(hours)

Q.E.5. Could you please indicate the range of your monthly earning from your main job

☐ Less than Rp. 1.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000
☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 10.000.000 – more

Q.E.6. Could you please indicate the range of your monthly earning from your alternate job?

☐ Less than Rp. 1.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000
☐ Rp. 4.000.000 – Rp. 6.000.000
☐ Rp. 6.000.000 – Rp. 10.000.000
☐ Rp. 10.000.000 – more

Q.E.7. Could you please indicate the range of your current savings?

☐ Less than Rp. 1.000.000
☐ Rp. 1.000.000 – Rp. 2.000.000
☐ Rp. 2.000.000 – Rp. 4.000.000
☐ Rp. 4.000.000 – Rp. 6.000.000
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Q.E.8. Please indicate the stability of your earning for one-year period?

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☐ Stable enough (9 – 10 months stable income)
☐ Stable (7 – 8 months stable income)
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Q.E.9. Have you or your family members received any supports from the local/national government/NGO which, in any way, relate to the designation of Anambas region as an MPA?

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b. Funding scheme …… times
c. Scholarship …… times
e. Equipment …… times
f. Other, ……, …….. times

Q.E.10. Have you or your immediate family members ever apply for credit from bank or other financial institution? …….., if yes, what is your impression on the process of getting it?…….…….....
.....
.....

Q.E.11. Were there any studies or activities conducted by institutions that specifically address the relationship between your type of livelihood and Anambas MPA?....., if yes, could you please elaborate…….....
.....
.....
.....

Q.E.12. Are there any specific national or local regulations/traditional laws/community agreements that intersect with your daily livelihood activities?....., if yes.. can you please explain:

What kind ……

Who issued ……..……..

How long has it been enforced …….……..

☐ Do you agree or ☐ disagree or ☐ do not know, with the regulation

Except do not know, why?

…….

…….

Q.E.13. Have you experienced any clash/conflict/disagreement with other community members or groups regarding the use or access of coastal space and natural resources? ……. If yes, can you please elaborate? …….
……
……..……

Q.E.14. In doing your daily livelihood, are you working :

☐ Independently ☐ as a group ☐ as a network of groups

Q.E.15. What are the levels of education of your immediate family members?

Husband : ……..
Wife : ……..
Children : …….

Q.E.16. In your opinion, do you think that your daily livelihood activity is affecting the MPA environment? ……., can you please describe in what ways…….
……
……

Q.E.17. Regarding other livelihoods fishing and ecotourism, in your opinion, what are their effects to the MPA environment?.....
……
……

Q.E.18. From the list below, please indicate and rate the factors that you consider as risks to your livelihood from 1 (most important) to 5 (least important).

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Climate season					
Seasonal weather condition					
Seasonality of market					
H. Trends					

Increasing food price					
Increasing cost of fuel					
Increasing price of equipment parts					
Increasing cost of health services					
Increasing water pollution					
Decreasing coverage of coral reef and other rsc.					
Climate change and sea level rise					
I. Shocks					
Storm and bad weather occurrence					
Change in the local political situation					
New regulation regarding access to the MPA areas					
Conflicts regarding access to the MPA areas					