

Appendix 1. Supplementary information (Part 1 = Table 1 is the descriptive statistics of the social capital results; Part 2 = Copy of survey instrument).

Table S1 – All variables collected and data distribution.

Grouping	Variables	Variable type	PES (n=68)	nonPES (n= 68)
Social capital				
Groups and Networks¹	A. <i>Would you be able to borrow money to cover one week's household expenses?</i>	<i>Ordinal – Very unlikely (1) to very likely (5)</i>	1 – 0% 2 – 0% 3 - 6%, 4 - 84%, 5 - 10%	1 – 0% 2 - 1% 3 - 12% 4 - 71% 5 - 16
	B. Are people in this group mostly the same religion?	Binary – Yes (1), No (0)	Yes - 100% No - 0%	Yes- 99% No- 1%
	C. Are people in this group mostly the same gender?	Binary – Yes (1), No (0)	Yes - 38% No - 62%	Yes - 66% No- 34%
	D. Are people in this group mostly the same ethnicity?	Binary – Yes (1), No (0)	Yes - 99% No- 1%	Yes - 97% No - 3%
	E. Do most people have the same job?	Binary – Yes (1), No (0)	Yes - 40% No- 60%	Yes - 65% No- 35%
	F. Does this group interact with people outside of the village?	Binary – Yes (1), No (0)	Yes- 35%, No- 65%	Yes - 49% No - 51%
Trust and solidarity	G. <i>You have to be alert so that someone does not take advantage of you.</i>	<i>Ordinal – Strongly disagree (1) to strongly agree (5)</i>	1 – 0% 2 – 0% 3 - 6% 4 - 43% 5 - 51%	1 – 0% 2 - 4% 3 - 4% 4 - 47% 5 - 44%
	H. <i>Most people in the village are willing to help if they need it.</i>	<i>Ordinal – Strongly disagree (1) to strongly agree (5)</i>	1 – 0% 2 – 0% 3 - 9%, 4 - 50%, 5 - 41%	1 – 0% 2 - 1% 3 - 4% 4 - 51% 5 - 43%

¹ We collected data on the farmers groups and networks including what groups are the most important to the household. Most farmers included both their farmer group and religious groups within this. However due to social stigma farmers felt uncomfortable not choosing the religious groups as the most important to the household. Because of this, we will only be presenting the data on answers relating to the farmer group.

	I. <i>Trust of village</i>	<i>Ordinal – very distrusting (1) to very trusting (5)</i>	1 - 1%, 2 - 19%, 3 - 13%, 4 - 52%, 5 - 15%	1 – 0% 2 - 13% 3 - 22% 4 - 60% 5 - 4%
	J. <i>Trust of district</i>	<i>Ordinal – very distrusting (1) to very trusting (5)</i>	1 – 0% 2 - 24% 3 - 22% 4 - 47% 5 - 7%	1 – 0% 2 - 24% 3 - 31% 4 – 43% 5 - 3%
	K. <i>Trust of province</i>	<i>Ordinal – very distrusting (1) to very trusting (5)</i>	1 - 1%, 2 - 34%, 3 - 18%, 4 - 38%, 5 - 9%	1 – 0% 2 - 25% 3 - 38% 4 - 32% 5 - 4%
	L. Do you trust your farmer group?	Binary – Yes (1), No (0)	Yes – 97% No – 3%	Yes – 94% No- 6%
	M. Do you trust people in the village?	Binary – Yes (1), No (0)	Yes - 90% No- 10%	Yes - 87% No - 13%
	N. Do you trust outsiders of the village?	Binary – Yes (1), No (0)	Yes - 8% No- 92%	Yes -12% No - 88%
Collective action and cooperation	O. <i>If there is a problem in the village everyone will work together and cooperate to solve the problem.</i>	<i>Ordinal – Strongly disagree (1) to strongly agree (5)</i>	1 – 0% 2 – 0% 3 - 28% 4 - 34% 5 - 38%	1 – 0% 2 – 0% 3 - 22% 4 - 26% 5 - 51%
Information and communication	P. <i>Do differences (in income, social status, wealth, race, religion, political beliefs) define the village?</i>	<i>Ordinal – Strongly disagree (1) to strongly agree (5)</i>	1 – 0% 2 - 54% 3 - 37% 4 - 6% 5 - 3%	1 - 7% 2 - 40% 3 - 43% 4 - 3% 5 - 7%
	Q. <i>Do you feel safe at home?</i>	<i>Ordinal – Strongly disagree (1) to strongly agree (5)</i>	1 - 0% 2 – 0% 3 - 4% 4 - 77% 5 - 19%	1 – 0% 2 – 0% 3 - 3% 4 - 66% 5 - 31%
	R. How many times in the past month have you eaten or	Numeric	Lowest - 1 Highest - 25	Lowest - 1, Highest - 20,

	had drinks with someone at home or in a public place?		Mean - 4.647	Mean - 5.706
	S. Are the people you socialize with a different ethnicity?	Binary – Yes (1), No (0)	Yes - 7% No - 93%	Yes - 3% No - 97%
	T. Are the people you socialize with a different economic status?	Binary – Yes (1), No (0)	Yes - 100% No - 0%	Yes - 99% No - 1%
	U. Are the people you socialize with a different social status (i.e. cleric, teacher)?	Binary – Yes (1), No (0)	Yes - 100% No - 0%	Yes - 99% No - 1%
	V. Are the people you socialize with a different religion?	Binary – Yes (1), No (0)	Yes - 9% No - 97%	Yes - 1% No - 99%
Empowerment and political action	W. <i>Do you feel happy in general?</i>	<i>Ordinal – Strongly disagree (1) to strongly agree (5)</i>	1 – 0% 2 – 0% 3 - 18% 4 - 68% 5 - 15%	1 – 0% 2 - 6% 3 - 25% 4 - 68% 5 - 1%
	X. <i>Can they make important life decisions and are able to change their lives?</i>	<i>Ordinal – Strongly disagree (1) to strongly agree (5)</i>	1 – 0% 2 - 7% 3 - 7% 4 - 69% 5 - 16%	1 - 1% 2 - 4% 3 - 16% 4 - 63% 5 - 15%
Demographics				
	1. Family head	Binary – Yes (1), No (0)	Yes - 99% No - 1%	Yes - 91% No - 9%
	2. Farmer group leader	Binary – Yes (1), No (0)	Yes - 10% No - 90%	Yes - 10%, No - 90%
	3. Age	Numeric – in years	Lowest- 25 Highest - 80 Mean – 49	Lowest - 25 Highest - 73 Mean - 46.94
	4. Education	Numeric – in years	Lowest - 1 Highest - 14 Mean - 6.632	Lowest - 2 Highest - 17 Mean - 6.221
	5. Family help on plot	Binary – Yes (1), No (0)	Yes - 64% No - 36%	Yes - 91% No - 9%
	6. Number of family living in house	Numeric – number of persons	Lowest – 0 Highest - 9 Mean 4.397	Lowest - 0 Highest - 10 Mean 4.279

	7. Second job	Binary – Yes (1), No (0)	Yes - 37% No - 63%	Yes - 35% No - 65%
	8. Come from area	Binary – Yes (1), No (0)	Yes - 6% No - 94%	Yes - 3% No - 97%
Assets				
	9. Loan	Binary – Yes (1), No (0)	Yes - 6% No - 94%	Yes - 91% No - 9%
	10. Asset level	Categorical – Low (1), Medium (2), High (3)	Low - 38% Medium - 37% High - 25%	Low - 9% Medium - 82% High - 9%
Plot characteristics				
	11. Average plot size	Numeric – in hectares	Lowest - 0.06 Highest - 1.50 Mean - .5348	Lowest - .01 Highest – 2 Mean - .6316
	12. Average plot distance to house	Numeric – walking minutes	Lowest – 3 Highest - 90 Mean – 24.55	Lowest - 5, Highest - 120 Mean - 24.48
	13. Average plot distance to village	Numeric – walking minutes	Lowest – 2 Highest - 90 Mean – 31.51	Lowest - 5 Highest - 90 Mean - 34.44
	14. Multiple plots	Binary – Yes (1), No (0)	Yes - 79% No - 21%	Yes - 24% No - 76%
	15. Next to PES	Binary – Yes (1), No (0)	Yes - 90% No - 10%	Yes - 15% No - 85%

SI – Copy of Survey

SURVEY FOR FARMER GROUPS

**EXPLORING THE SOCIAL EQUITY IN PAYMENTS FOR ECOSYSTEM SERVICES,
INDONESIA 2016**

Thank you for agreeing to participate in this survey which is part of my PhD research. This survey is going to ask you about your relationships with other farmers in your village and your perceptions of the PES scheme. Before we start the survey, we will first ask you some background information about you and your farming. The survey is divided in 7 sections below.

Confidentiality – All information obtained, including your identity and responses to the survey will remain completely confidential.

Enumerator Name _____

Date _____

Start time _____ End time _____

A. FARMER DEMOGRAPHICS

Location/Farmer Group (FG) details

- 1. Village name _____
- 2. Farmer name _____
- 3. Address and hp number

- 4. Are you a member of a farmer group?
 Yes
 No
- 5. Name of farmer group _____
- 6. What year did you join the farmer group? _____
- 7. Are you the family head?
 Yes
 No
- 8. Are you a leader of the farmer group (i.e. Leader, secretary, accountant)?
 Yes
 No
- 9. Age _____
- 10. Years of education _____
- 11. Ethnicity _____

Name of working family members	What is their job?	Do they help with the plot?

12. Number of family members in the house _____

13. Main occupation _____

14. Second occupation _____

15. Do they come from this area?

- Yes
- No

a. If yes, how long have they lived here _____

16. Do they have a loan?

- Yes
- No

a. If yes, for how many years? _____

17. Aset apa yang bapak/ibu miliki?

	Aset	Amount		Aset	Amount
a)	Car		b)	Mobile phone	
c)	Motorcycle		d)	Bank account	
e)	Bicycle		f)	Gas stove	
g)	Agriculture equipment		h)	Chicken/stove	
i)	T.V.		j)	Goat	
k)	Laptop		l)	Buffalo/cow	
m)	Satellite/antenna		n)	electricity	

2. If you suddenly needed to borrow a small amount of money (enough to pay for the expenses of your household for 1 week), are there people beyond your immediate household and close relatives to whom you could turn and who would be willing and able to provide this money?

Definitely not	Probably not	Unsure	Probably	Definitely
1	2	3	4	5

G2. Kepercayaan dan solidaritas

1. Are you a trustworthy person or not to others?

- Trusted
 Not trusted

2. Do they trust other FG group members

- Yes
 No

3. Do they trust people in the village?

- Yes
 No

4. Trust outsiders of the village?

- Yes
 No

5. Do they agree/disagree with the following statement

- Most people in the village are willing to help if they need it

Strongly disagree	Disagree somewhat	Neither agree nor disagree	Agree somewhat	Strongly agree
1	2	3	4	5

- You always have to be alert so that someone does not take advantage of you.

Strongly disagree	Disagree somewhat	Neither agree nor disagree	Agree somewhat	Strongly agree
1	2	3	4	5

6. How much do they trust

- Village officials

To a very small extent	To a small extent	Neither great nor small extent	To a great extent	To a very great extent
1	2	3	4	5

- District officials

To a very small extent	To a small extent	Neither great nor small extent	To a great extent	To a very great extent
1	2	3	4	5

- Province officials

To a very small extent	To a small extent	Neither great nor small extent	To a great extent	To a very great extent
1	2	3	4	5

7. If there was a project benefitting the village and not themselves would, they be willing to donate....

- Time
 - Yes
 - No
- Money
 - Yes
 - No

G3. Aksi kolektif dan kerja sama

1. In the past 12 months did you or anyone in your household participate in any communal activities, in which people came together to do some work for the benefit of the community

- Yes
 - i. How many times in the past 12 months_____
- No

2. If there is a problem in the village everyone will work together and cooperate to solve the problem.

Not likely				Very likely
1	2	3	4	5

G4. Information and communication

1. Top three sources of information on whats happening in the village on development programs (such as agricultural extension, workfare, family planning etc.)?

- | | |
|---|--|
| <input type="checkbox"/> Relatives, friends, and neighbours | <input type="checkbox"/> Groups or associations |
| <input type="checkbox"/> Community bulletin board | <input type="checkbox"/> Business or work associates |
| <input type="checkbox"/> Local market | <input type="checkbox"/> Political associates |
| <input type="checkbox"/> Community or local newspaper | <input type="checkbox"/> Community leaders |
| <input type="checkbox"/> National newspaper | <input type="checkbox"/> An agent of the government |
| <input type="checkbox"/> Radio | <input type="checkbox"/> NGOs |
| <input type="checkbox"/> Television | <input type="checkbox"/> Internet |

G5. Social cohesion and inclusion

1. Do the differences in income, social status, wealth, race, religion, political believes, define the village .

To a very small extent	To a small extent	Neither great nor small extent	To a great extent	To a very great extent
1	2	3	4	5

2. Have

they ever caused problems.

- Yes
- No → go to question 5

3. Dua perbedaan yang paling sering menimbulkan masalah? Two biggest problems.

- | | |
|--|---|
| <input type="checkbox"/> Differences in education | <input type="checkbox"/> Differences between long-term and recent residents |
| <input type="checkbox"/> Differences in landholding | <input type="checkbox"/> Differences in political party affiliations |
| <input type="checkbox"/> Differences in wealth/material possessions | <input type="checkbox"/> Differences in religious beliefs |
| <input type="checkbox"/> Differences in social status | <input type="checkbox"/> Differences in ethnic or linguistic backgrounds/tribes |
| <input type="checkbox"/> Differences between men and women | <input type="checkbox"/> Other differences |
| <input type="checkbox"/> Differences between younger and older generations | |

4. How many times in the past month have they eaten or had some drinks with people, both at home and in other public places. _____

5. The people you socialize with are...

a. Different ethnicity?

- Yes
- No

b. Different economic status

- Yes
- No

c. Different social status (hajj cleric, teacher, village head)

- Yes
- No

d. Different religion?

- Yes
- No

6. Do you feel safe at home?

Very unsafe	Moderately unsafe	Neither safe nor unsafe	Moderately safe	Very safe
1	2	3	4	5

G6. Empowerment and political actions

1. Do they feel happy in general?

Very unhappy	Moderately unhappy	Neither happy nor unhappy	Moderately happy	Very happy
1	2	3	4	5

2. Can they make important life decisions? Able to change their lives?

Totally unable to change life	Mostly unable to change life	Neither able nor unable	Mostly able to change life	Totally able to change life
1	2	3	4	5

3. In the past 12 months, how often have people in this village got together to jointly petition government officials or political leaders for something benefiting the community

- Never
- Once
- A few times (<5)
- Many times (>5)

4. Did they vote in the last elections/?

- Yes
- No

Thank you for your time for the survey, it is now complete.