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Bogor Agricultural t

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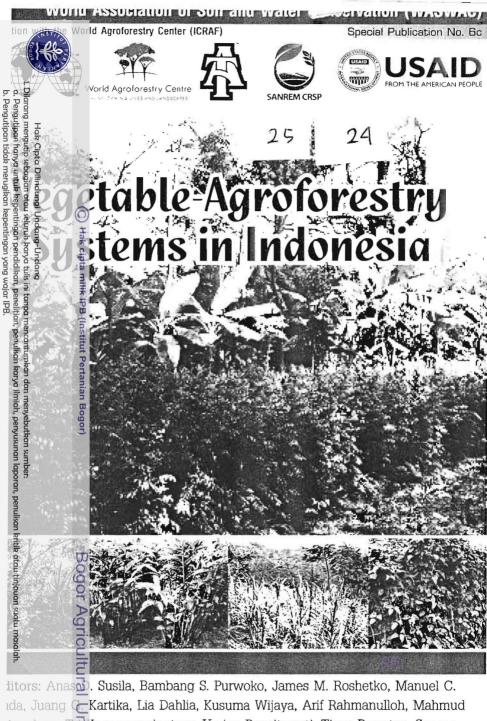
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A typical scene of the village landscape at Nanggung Subdistrict of Bogor District in West Java Province of Indonesia where the research team studied to find ways to alleviate poverty and reduce food scarcity and environmental degradation in Southeast Asia by combining economically viable and resource-conserving technologies with gender-friendly socioeconomic policies to integrate vegetable production in agroforests on small farms

Location of the Research Area—Nanggung Subdistrict of Bogor



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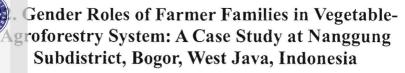
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Abstract

The objectives of the study were to examine women's involvement in making to ensure their participation in Vegetable Agroforestry oduction and marketing training, and to increase the involvement of armers or marketing associations. The study was done at Hambaro, VAF) Poduction and marketing training, and to increase the involvement of Parakare Muncang and Sukaluyu Villages, Subdistrict of Nanggung, District of Nanggung, West Java Province in June-July 2006. A total of 185 househad respondents were selected randomly. Results showed that men dominated gender roles in farming system practices such as land preparation, nursery planting, maintaining plants, fertilizing and harvesting. Moreover. there were gender differences in access and control over farm production inputs. Men dominated access to and control over credit, production technology and labor. A fair number of women had access to and control over marketing of agricultural products and had access to price information of agriculteral products. Women had insignificant roles in decision making on farming farm financial planning and activities, but were dominant as decision -makers in domestic family planning including evaluating the actions of family members, and controlling their family financial activities. Men acted as dominant decision-makers with regard to farming financial planning, and some of domestic responsibility especially on choosing children's education.

Keywords: Gender roles, gender values, access and control

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1. Introduction

1.1 Underlying background

The Vegetable Agroforestry (VAF) System developed through the SANREN Project in Indonesia is expected to alleviate poverty, food scarcity and reduce environmental degradation in Indonesian watersheds. The project on vegetable agroforestry in Indonesia was undertaken in Kecamatan Nanggung, a subdistrict located in the western part of West Java province.

This project recognizes the importance of women in vegetable production in small-scale farms. The participation of women in this project, hower, was impeded by many constraints against women's participation and men's relative lack of time and mobility caused by their workload multiple roles. If this project is to benefit from women's contribution and extractive views and improve the socioeconomic wellbeing of women expectable production and agroforestry enterprises, a range of strategy reactical measures must be taken to overcome these barriers.

The first step in formulating specific gender strategies is to conduct analysis, which helps identify constraints and helps structure the fittive. The results of a gender analysis are incorporated into planning to get that development benefits and resources are effectively and equitable geted to both women and men, and to successfully anticipate and gative impacts development may have on women or on gender relations.

. Objectives of the study

The objectives of the study were:

- 1. To describe the gender values among farmer families.
- 2. To examine gender roles in access and control over resources.
- 3. To examine gender roles in decision making in farm households coping strategy, and also domestic and agricultural activities.

E Literature Studies

Inder Mainstreaming was defined by the Unescap in 1997 as a strategy king women's as well as men's concerns and experiences an integral consion of the policies and programs. The Government of Indonesia's assed efforts to include Gender Mainstreaming into its national development process is an affirmation of the commitment to gender equality and that of both women and men (KPP-UNDP, 2007).

As a strategy, Gender Mainstreaming aims at promoting a fair distribution of resources, opportunities and benefits of development processes are

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phation programs. As Indonesia is now implementing a decentralized dependent approach, the need to mainstream gender concerns in local government's programs and policies has become more important (KPP-BKKBN-UNFPA, 2004).

The meaning of gender is different from the meaning of the type of sex. However, both gender and the type of sex involve both men and women. The type of sex in general is applied to identify the natural difference between men and women in terms of biological anatomy. Meanwhile, gender discusses the differences of role distribution and function between men and women that are decided by the community and culture since they were born is unnatural. At this point, gender does not discuss women only, but also men in relation to cooperation and partnership, and the role distribution men and women to achieve the same goal. Therefore, gender discusses the problems of both men and women in society. Thus, gender refers to the community perspectives toward roles, functions and responsibilities among the nen and women which are a result of social and cultural constructions that can be changed along with the dynamics of time and community aspirations (FPP-BKKBN-UNFPA, 2004).

The application of gender roles in the households is shown by the power of men and women, with women typically being the less powerful partners. The differences in power between men and women are directly related to differences in their income and other resources. The work of women at home is unremunerated, and therefore not regarded as 'real' work, and often constrains women's opportunities to earn outside income. Thus, the public world of work is a man's domain, but the private world of home is a woman's domain (Renzetti and Curran, 1995).

Gender roles in agricultural activities are influenced by the gender division of labor. In some countries women are virtually full-time farmers, while in other countries women do little work in fields. In some places, women are active farmers and work side-by-side with the men in the fields and other places women work separately from men in the fields (Osteograard, 1992).

3. Research Methodology

3.1 La ation of the study

The sudy was conducted in three villages of the Nanggung Subdistrict, Bogor Detrict, West Java province. The study was done at Hambaro, Parakan Muncaig and Sukaluyu villages, Subdistrict of Nanggung, West Java Province during June-July 2006. A total of 185 household respondents were selected randomly from the 2,940 households with landholdings. The

3.2 Types of information required and their sources

Baseline data for the socioeconomic characteristics were gathered in a survey. To provide gender-disaggregated information, the wives or adult women of the households were interviewed to gather information on: socio economic characteristics of the respondents, gender values among farmer families (men and women), identification of gender needs (practical and strategic needs), gender roles in farming system practices, gender roles in control of the agricultural inputs expenditures, gender roles in access and control profiles, gender roles in decision making profile, and domestic and agricultural activity profile.

3.3 Elethods of analysis

The information collected will be analyzed by using the gender analysis approach (using Harvard and Moser Gender Analysis Techniques). Gender analysis is a process that analyzes data and information systematically about mental women to identify and indicate the status, function, role and the responsibility of mental women and the affected factors (KPP-BKKBN-UNPA, 2004).

4. Bindings

4.1 Socioeconomic characteristics of the respondents

Findings show that around 50 percent of the respondents had 5-8 family members, with household size ranging from 1 to 12 persons and the average family size at 5 persons (Table 1). The proportion of labor force was around 66 percent with the average labor force per household at 3.4. The dependency ratio of the respondents was around 51 percent. About 6 percent of the respondents were illiterate which is lower than the national data (9.07%).

Based on the family daily expenses, the expenditures on food were around Rp20,075. The daily expenses for rice range from Rp533 to Rp6,135 and e daily average expenses for cigarette was Rp3,434.

Most families in Nanggung district were engaged in agriculture (63 %) although off-farm income contributed the most to the total household income. Total household income was Rp1,226,000/month or Rp236,000 cap m/month. The socioeconomic survey showed that 52% of the surveyed households were living below the poverty line (income lower than Rp150,000/capita/month), with Hambaro with the higher proportion (67.7%)

IVersity

arakan Muncang the lowest (38.1%). Based on income-expenditure 15% of the surveyed households had negative income with expenditures higher than income.

Table 1. Socioeconomic characteristics of respondents

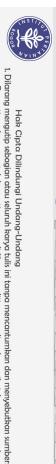
No.	DESCRIPTION	Hambaro	Parakan Muncang	Sukaluyu	Total
		n = 62	n = 63	n = 60	n = 18
1	Household size				
_	1-4	33.90%	33.30%	48.30%	38.40%
:	68	51.60%	63.50%	43.30%	53.00%
	2	14.50%	3.20%	8.30%	8.60%
No.	ange household size (persons/	2-11	1-12	2-10	1-12
3	Average family size	5.5	5.2	4.8	5.2
4	₫ ge structure				
	3 5	35.30%	24.10%	33.60%	30.90%
	₹5-65	63.00%	72.30%	63.00%	66.10%
	8 65	1.70%	3.70%	3.50%	2.90%
5	abor force				
	Proportion of labor force	63.00%	72.30%	63.00%	66.10%
	Average labor force per wousehold	3.5	3.8	2.9	3.4
6	ependency ratio	58.80%	38.40%	58.80%	51.20%

4.2 Gender values among farmer families

Nanggung subdistrict is an agricultural community dominated by rural traditional life. In general the society's norm is patriarchal, with women's constraint, in general, being the limitation of education and mobility. This means, women's accessibility of women to access economic activities, financial credit and training opportunities were limited. However, most women were aware that changes were occurring, with the increase of women's roles in all aspects of life in their village.

The division of roles in their daily family activities had been implemented respectOely both in economic and domestic activities. The community in the three villages, ad been getting used to implementing the gender distribution of roles starting from the family level and continuing to the community level, though it was still at the tractional stage. The value of the division of gender roles had been practiced in daily family management activities starting from collaboration between husband and wife in their domestic activities, to the economic and community social activities.

hable 2 shows the similarities of gender values for men and women, such a Deing a good woman or man, being religious women or men, had to



be patient, had to take care of herself/himself, had to be honest, educate obey parents, reading Koran (Al Qur'an) and had to be full of love. T gender values for men were to be responsible, responsible, hard working, a to behave, whereas the gender values for women included being able perform their household chores, politeness, simplicity and humility, and to married quickly.

Table 3 shows the gender roles in farming system practices which reve that males dominated the implementation of all farming system activities, such land preparation, nursery, planting, maintaining plants, fertilizing and harvesting

ble 2. Gender values for women and men

	Values	Wo	men	Men	
No.		n	%	n	%
	Obeying husband	67	36.6	-	-
	Has to be responsible	-		31	16.9
	Being a good woman/man	22	12.0	9	4.9
	Has to work	-	-	74	40
	Being religious women/men	17	9.3	13	7.1
	Doing household chores	27	14.8	-	-
	Reading Koran (Al Qur'an)	12	6.6	-	5
	Has to be patience	11	6.0	4	2.2
450	Has to take care of herself/himself	9	4.9	7	3.8
	Has to be honest	3	1.6	8	4.4
	Has to be educated	2	1.1	8	4.4
	Has to be polite	2	1.1	-	-
	Has to obey parents	4	2.2	5	2.7
	Has to be full of love	2	1.1	12	6.6
	Being simple and humble	3	1.6	-	-
	Has to married soon	2	1.1	-	-
1	Behave	-	-	12	6.6

▶3 Gender roles in access and control profiles

Productive, reproductive and community roles of women require the use sources. In general, women and men had different levels of both access introl over resources. Access is the opportunity to make use of the resources. eded for their work, and control is the ability to define its use and important that definition on others over those resources. Resources can be economic Such as land or equipment); political (such as representation, leadership 2008)

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N N N N N N N N N N N N N N N N N N N	Irrigated Paddyfield	Rainfed Paddyfield	Dry Land	Monoculture Garden	Simple Agroforest	Total
		Land Pr	eparation			
I Male (%)	99.70	99.20	99.20	100	99.60	99.40
Female (%)	0.30	0.80	0.80	0	0.40	0.60
ipta		Nurse	ry			
Hale (%) Hale (%)	73.40	92.70	100	100	100	82.40
Female (%)	26.60	7.30	0	0	0	17.60
		Plantii	ng			
Male (%)	59.60	54.70	83.30	84.90	94.10	71.10
Female (%)	40.40	45.30	16.70	15.10	5.90	28.90
sipt Jnd		Maintair	aing			
Male (%)	56.10	52.10	78.20	78.70	88.30	67.90
Female (%)	43.90	47.90	21.80	21.30	11.70	32.10
рв (Fertiliz	ing	-		
Male (%)	75.10	98.00	89.80	70.50	99.50	87.10
Female (%)	24.90	2.00	10.20	29.50	0.50	12.90
Der	•	Harvest	ing			
Male (2)	66.50	70.40	78.90	88.30	98.30	72.50
Female (≝%)	33.50	29.60	21.10	11.70	1.70	27.50
Bog		Total Lab	or Practi	ces		
Male (2)	76.00	77.90	87.90	90.40	95.90	82.40
Female (%)	24.00	22.10	12.10	9.60	4.10	17.60

glegal structures); social (such as childcare, family planning, education). The access and control profile identify resources individuals could use to carry out activities and the benefits they get from them.

Land is an important resource for an agricultural community; however, access and control over land indicates the relative power of members of a society in an economy. Average landholding per household in Nanggung Sub district as 0.42 ha, ranging from 0.33 ha to 0.49 ha per household. Of the households surveyed, 11% did not have any control over landholdings. There was unequal distribution of landholdings in the study area, with 20% of the households controlling 62% of the total land.

Deparities in gender access to land are universal, and can be found in Nanggue Subdistrict. Only 13.8% of women had access to land whether as owner of tenant (Table 6). Landownership was also dominated by men and only 13.2% of women had control over landownership (Table 4).

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0.	Access over resources	Wife	Husband	Wife + Husband
		%	%	%
1.	Credits (n=171)	12.9	83.6	3.5
2.	Production input (n=121)	3.3	93.4	3.3
3.	Production technology (n=123)	3.3	92.7	4.1
4.	Post harvest technology (n=61)	1.6	98.4	0.0
5.	Trainings (n=165)	14.5	81.8	3.6
6.	Price of agricultural products (n=156)	12.2	84.0	3.8
7.	Marketing of agric. products (n=127)	12.6	84.3	3.1
8.	Marketing organization (n=154)	9.1	87.7	3.2
9.0	Landownership (n=167)	13.8	76.6	9.6
10. 🚡	Farm labor (n=161)	6.2	83.9	9.9

The study also showed gender differences in access to and control over farry production inputs. Men dominated access to and control over credit, production technology and labor. Only 12.9% of women had access to credit, which was limited because women did not have collateral, usually land titles. Without any control over landownership, women were disadvantaged over access to credit. In addition, socio-cultural constraints and stereotypes of noncredit worthiness tended to preclude women from obtaining access to many formal sources of credit, like banks, cooperatives and credit unions.

Very few women (3.3%) had access to production inputs and technology Generally women had greater access to and control over post-harvest technology and processing than other production processes. However, the survey showed that in Nanggung, only 1.6% of women had access to and control over post-harvest technology and processing.

Although still dominated by men, a fair number of women had access to (12.6%) and control (12.6%) over marketing of agricultural products and 12.2% of women had access to price information of agricultural products (Table 5). The socioeconomic survey showed that gender roles in selling agricultural products depended on the quantity of the products. Women were only involved in retail marketing of farm products when the quantity was small.

There was a gender difference in access to farmers' organization and training. Only 9.1% of women had access to an organization compared to 87% of men who had access to and control over organization. Access and control over training were also dominated by men. However, the percentage of men with access to training was higher (14.5%) compared to access to organizations. Access and control of women over organization and training although still low, provided the entry point for training of women in a VAF

စို 🤄			DOUGHSTONES OF THE PRODUCT OF THE PRODUCT AND THE PRODUCT OF THE P			
OR.	V V I W A Z		Control over and benefits from resources	Wife	Husband	Wife + Husband
1.				%	%	%
1. Dilarang	1.		Farming activity (n=161)	5.5	83.2	10.6
	2.		Production inputs (n=119)	4.2	84.9	10.9
men	3.		Production technology (n=123)	4.1	85.4	10.5
guti			Post harvest technology (n=61)	1.6	95.1	3.3
utip sek			Trainings (n=165)	12.1	83.6	4.2
oagian	6.		Agric. price information (n=161)	11.8	80.1	7.1
an a	7.		Marketing of agric. products (n=143)	12.6	80.4	7.0
tau	8.		Marketing organization (n=154)	4.5	83.8	11.7
seluruh	9.	9	Land ownership (n=168)	13.1	78.6	8.3
mengutip sebagian atau seluruh kai	10.	l ak	Farm labors (n=168)	13.1	78.6	8.3
ã	_	C				

The access and control profile showed the extent to which women were increased from participating equitably in the project. If women had limited access to income or land, they may be unable to join groups, which provide production inputs and commercial opportunities, or to become independent commercial vegetable producers.

4.4 Gedder roles in decision-making profile

Women frequently perform a variety of functions in the farm household. They are as food producers, wage earners, caretakers of the family looking after no rition, and post-harvest managers. Several studies have shown that gender affects the decision-making process in agricultural production and household expenditures, as well as the management of food consumption within the farm households (Balaguru, 1992).

The survey results showed that in the three villages of Nanggung, women had insignificant roles in decision making regarding farming financial planning and activities (Table 6). The decision on farm financial planning and expenditures were dominated by men, including making routine farm financial planning (55.1%), and planning for purchase of production inputs (54.3%).

omen were more involved in family financial planning (31.3%). A larger poportion of women were motivated to learn about family financial planning (40.2%) compared to the percentage of women (11.2%) who were interested in learning about farm financial planning. The decision to plan for the types of commodity to plant and the utilization of home gardens for food crops as dominated by men (34.4%) but in some households women participation as in cooperation with male partners, usually their husbands (26.1%).

a Dena	1. Dilarang	
utipan han	mengutip	Hak Cipt
ua untuk	sebagia	ta Dilina

No.	Decision		Dec	eion Ma	20.3 10.1 22.7 23.7 7.6 55.1 30.5 3.8 22.9 24.8 5.4 54.3 23.5 2.0 56.9 25.0 3.4 55.2 28.2 8.5 16.2 24.0 6.0 44.0 31.1 7.6 47.0 34.4 6.1 46.0			
		IS	Ш	I≋A	AD	AS		
		-		-%		452.		
1.	Routine family financial planning (n=119)	26.9	10.1	30.3	10.1	22.7		
2.	Routine farm financial planning (n=118)	10.2	3.4	23.7	7.6	55.1		
3	Prediction on family cost of living (n=131)	31.3	11.5	30.5	3.8	22.9		
4.	Financial planning before purchaning imputs (n=129)	9.3	6.2	24.8	5,4	54.3		
5.	Recording expenditure (n=51)	15.7	2.0	23.5	2.0	56.9		
6.	Learn to manage farm finance (n=129)	11.2	5.2	25.0	3.4	55.2		
0	Learn to manage family finance (n=117)	40.2	6.8	28.2	25	16.2		
2	Farm expenditure according to plan (n=150)	14.0	12.0	24.0	6.0	44.0		
20	Self evaluation on finacial management (n=132)	9.8	4.5	31.1	7.6	47.0		
16	Planning types of commodity (n=163)	6.1	7.4	34.4	6.1	46.0		
pta m	Utilizatilizing home garden for food crops (n=114)	11.4	4.4	28 1	8.8	47.4		

Notes IS = Wife only; AS = Husband only; ID = Wife dominant, AD = Husband dominant; I=A = Wif Husband

Table 7 shows that women were dominant as decision makers in finacial planning, evaluating the actions taken by family members. controlling financial activities of family members, controlling family expenses, managing family finances, prioritizing family needs, managing daily food needs, managing family menus, making decisions on food expenses, and generating ideas on reducing food expenses. They were also health expenses, the place for medical care or the decision makers on postporting medical care for family members, and managing education expenses. Meanwhile, there are some responsibilities of domestic chores distributed equally through men and women as decision makers, especially in child education planning and eating out.

Table 8 shows that the female roles in family coping strategy consisted of adding resources from outside (through asking the wife to work or borrowing money), saving resources (through deciding on a savings account or deciting on withdrawals from savings), cutting back on expenses (through reducing food consumption, transportation costs, health expenses, and education spending). While the roles of the male and female consisted of asking chieren to help in household chores, and selling assets, the men had the role of Ending extra jobs, selling furniture and selling utensils.



ALINA			Dec	cision Mal	cers	
No.	Decision	IS	ID	I=A	AD	AS
				%		
<u>Τ</u> Α.	Finance	3 - 25	·	7e 6		
<u>Ω</u> 1.	Financial planning (n=119)	40.3	10.9	26.1	19.3	3.4
Hak Cipta Dilindungi Undang-Undang	Evaluating family members for the action they take (n=133)	34.6	9.8	27.8	20.3	7.5
ingi Unc	Controlling financial activities family member (n=131)	43.5	9.9	21.4	19.1	6.1
dang-U	ontroling family expenses	63.1	11.9	11.4	12.5	1.1
ndang	anaging family finance	69.4	12.0	8.7	8.2	1.6
6.	aking priority of family eeds (n=159)					
B.	₹ ood					
7.	(anaging daily food needs = 183)	87.9	8.2	1.6	2.2	0.0
8.	(anaging family menus = 183)	87.9	8.2	1.6	2.2	0.0
9.	* Taking decision for food ex- enses (n=181)	88.9	7.2	1.7	2.2	0.0
10.	* (aking ideas for reducing food expenses (n=152)	83.6	9.9	2.0	3.9	0.7
11.	Eating out (n=20)	35.0	10.0	35.0	5.0	15.0
C.	Education					
12.	Decision for sending children to school (n=166)	25.3	8.4	29.5	24.7	12.0
13.	Choosing children education (n=166)	23.5	10.8	25.3	26.5	13.8
14.	anaging education expenses	37.3	18.1	15.1	19.9	9.6
D.	ealth					
15.	Making decision for health penses (n=175)	36.0	17.1	14.9	19.4	12.6
16.	aking decision on place for edical care (n=175)	36.0	16.0	14.9	20.6	12.6
17.	(aking decision to postpone edical care for family mem- or (n=156)	36.5	9.6	21.8	20.5	11.5

2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IPB

a. Pengutipan hanya untuk kepentingan pendidikan, penditian, pendisan karya ilmiah, penyusunan laporan, pendisan kritik atau tinjauan suatu masalah.
 b. Pengutipan tidak merugikan kepentingan yang wajar IPB.

Notes: IS Wife only; ID = Wife dominant; I=A = Wife=Husband; AD = Husband dominant; AS = Husband

Hak Cipta Dilindungi Undang-Undang

able 8. Gender roles in family coping strategy

No.	Decision on Coping Strategy	Decision Makers				
	. 0 0	IS	ID	I=A	AD	AS
				%		
	Adding resources from outside					
1	Finding extra jobs (n=116)	7.8	9.4	29.3	44.0	9.5
2	Asking children to help with household chores (n=57)	28.1	8.8	50.9	12.3	0.0
3	Asking wife to work (n=33)	33.3	3.0	27.3	5.5	1.1
(h)	Borrow money (n=130)	40.8	36.2	10.8	8.5	3.8
	Saving resources					
Hak cipta milik	Deciding on a savings account (n=19)	42.1	10.5	15.8	31.6	0.0
a m	Selling Resources					
	Selling furniture (n=6)	0.0	16.7	33.3	50.0	0.0
78	Selling utensils (n=47)	31.9	5.2	14.9	42.6	6.4
(Jus	Selling assets (n=16)	25.0	18.8	31.3	18.8	6.3
(Institut Pertanian	Deciding on withdrawal from sav- ings (n=19)	36.8	15.8	15.8	31.6	0.0
erta	Cutting Back Expenses					
1 tan	Reducing food consumption (n=97)	, 79.4	17.5	2.1	1.0	0.0
Bogor)2	Reducing transportation costs by riding bikes etc. (n=42)	40.5	4.8	28.6	4.8	21.4
12	Reducing health expenses (n=71)	42.2	15.5	12.7	16.9	12.7
13	Reducing education spending (n=57)	36.9	15.8	. 8.8	19.3	19.3

Notes: IS = Wife only; ID = Wife dominant; I=A = Wife=Husband, AD = Husband dominant; AS = Husband only

4.5 Domestic and agricultural activity profile

household can be defined as a (nuclear) family or kinship unit; those was a common residence; or those who share a joint function such as construction, production, investment or ownership. Gender is one of the causing intra-household difference. Within the household a socially-constructed generally electronic division of labor exists that generally places greater time and energy demands on women than on men. Women typically have to play multiple which are comprised of: reproductive, productive and overseeing the managerial activities of community.

The productive role of rural women is mainly in the agricultural sector. In any parts of Indonesia, women constituted almost half of the work force

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in agriculture. Rural women participated in a broad range of agricultivities starting from the selection of seeds, planting, weeding, harvesthreshing, drying, stacking and storing to feeding the family from the

In the subdistrict of Nanggung, the socioeconomic study showed the Trited role of women in agriculture (17.6%). The involvement was more pominent in the irrigated and rainfed paddy fields, where women played an role in planting (40.4-45.3%) and crop maintenance (43.9-47.9%). The participation in other types of agriculture was minimal such as in graph agriculture (12.1%) and monoculture garden (9.6%). ominent in the irrigated and rainfed paddy fields, where women played an

In the subdistriction of the control Insistent with the socioeconomic study, the survey showed that some blocated most of their time (5-10 hours/day) to domestic activities. This included domestic tasks done by women required to guarantee the main-sphance of the household, such as fuel and water collection, food preparation, education and health care. Women allocated less time towards production activities including agriculture activities (0.67-4.03 hours/day). Women who worked in rice fields or rainfed rice fields allocated more time outside heir home than those who worked in the home garden or other agricultural activities (Table 9).

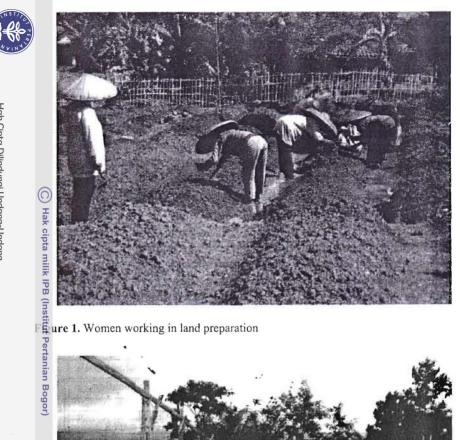
Table 9. Sctivity profile of women in Nanggung Subdistrict

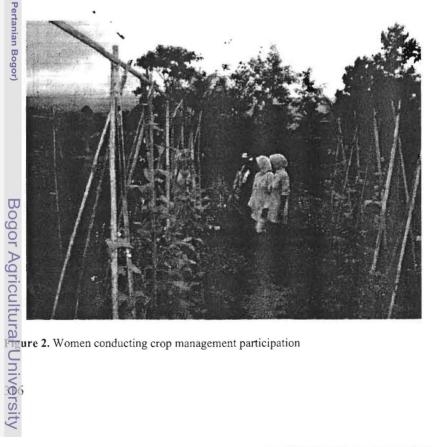
ACTIVITY	Time allocation
a. Domestic	
·House cleaning (n=131)	0.93 ± 0.68
Fetching water (n=88)	0.61 ± 0.45
Laundry (n=140)	0.90 ± 0.22
Washing dishes (n=143)	0.45 ± 0.29
Shopping for foods (n=158)	0.56 ± 0.67
Cooking (n=167)	1.51 ± 0.68
Cooking (n=167) Child care (n=35) b. Agriculture	10.0 ± 33.8
Working in the rice field (n=123)	4.03 ± 1.47
Working in the rice field (n=123) Working in monoculture garden (n=52) Working in home garden (n=11)	3.74 ± 1.48
Working in home garden (n=11)	2.91 ± 1.30
Animal husbandry (n=10)	0.67 ± 0.50
Selling farm products to market (n=10)	0.67 ± 0.50



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2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IPB. 1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber: b. Pengutipan tidak merugikan kepentingan yang wajar IPB. a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah.





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a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik atau tinjauan suatu masalah b. Pengutipan tidak merugikan kepentingan yang wajar IPB. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber

2. Dilarang mengumumkan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IPB

No. Activity No of Participants | Normal | N % n

level such as volunteer work in health care and education. Most of the respondents (25%) participated in women's religious groups (Majlis Taklim), but only a faw respondents belonged to farmer groups (Table 10).

5. Conglusions

5.1 The findings are as follows:

The gender values among farmer families showed similarities in regards o expectations for men and women, such as being a good woman/ man, being religious women/men, patience, had to take care of herself/ himself, had to be honest, educated, obey parents, read the Koran (Al Qur'an), and had to be full of love. The gender values for men were to be responsible, work and behave, whereas the gender values for women were to complete household chores, maintain politeness, simplicity and humility, and value marriage.

2. Gender roles in access to and control of resources:

Gender roles in farming system practices were dominated by men, such as land@eparation, nursery, planting, maintaining plants, fertilizing, and harvesting.

There were gender differences in access to and control of farm production inputs. Men dominated access and control over credits, production technology and laborers.

- Although still dominated by men, a fair number of women had access and control over marketing of agricultural products and access to information on the price of agricultural products. The gender role in selling agricultural products depended on the quantity of the product, with women only involves in retail marketing of farm products when the quantity was small.



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b. Pengutipan tidak merugikan kepentingan yang wajar IPB.

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Figure 4. Women's important role in the kitchen has never been challenged.



3. Gender roles in decision making in farm households and coping y, and also domestic and agricultural activities.

- Women had minimal roles in decision making regarding farming financial planning and activities. The decisions on farm financial planning and expenditures were dominated by men, including making routine farm financial anning decisions, and planning for the purchase of production inputs.

Women were dominant as decision makers in financial planning, the actions of family members, controlling financial activities of family members and family expenses, managing family finance, prioritizing eds, managing daily food needs and family menus, making decisions on enses, medical care including postponing medical care for family and managing education expenses. While men and women acted as decision makers in child education planning, and social activities are the social activ

he female roles in family coping strategy consisted of adding resources om outside (through the wife's taking outside work, borrowing aving resources (through deciding on a savings account, deciding on whether to withdrawal from saving), cutting back expenses (through resources in the roles of males and females consisted of asking children to usehold chores, and selling assets. The men had the role of finding selling furniture and selling utensils.

Consistent with the socioeconomic study, the survey showed that women allocated most of their time (5-10 hours/day) doing domestic activities.

Consistent with the socioeconomic study, the survey showed that women allocated most of their time (5-10 hours/day) doing domestic activities. This included domestic tasks done by women to guarantee the maintenance of the household, such as fuel and water collection, food preparation, child care, education and health care. Women allocated less time on productive activities including agriculture activities (0.67-4.03 hours/day). Women working in rice fields or uninfed rice fields allocated more time outside their home than those who worked in the home garden or other agricultural activities.

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