

APPENDICES

Appendix 1

Table A 1.1 to Table A 1.4

Table A 1. 1: Export and Average Prices of White Pepper/Metric Ton in Kuching, Sarawak, 1946-1993

Year	Export of White Pepper		Average Price of White Pepper per Metric Ton (RM)
	Quantity (tons)	Value (RM)	
1946	601.00	826,881.00	1,375.84
1947	1,460.00	3,118,384.00	2,135.88
1948	424.00	1,119,935.00	2,641.36
1949	313.00	-	-
1950	267.00	3,997,749.00	14,972.84
1951	1,160.00	17,542,746.00	15,123.06
1952	1,997.00	17,866,003.00	8,946.42
1953	1,391.00	9,364,407.00	6,732.14
1954	2,715.00	9,529,122.00	3,511.10
1955	2,334.00	5,922,457.00	2,538.56
1956	2,760.00	4,498,486.00	1,630.48
1957	2,298.00	3,872,792.00	1,685.29
1958	5,137.00	9,986,059.00	1,944.33
1959	6,543.00	15,616,475.00	2,380.20
1960	3,394.00	15,180,009.00	4,473.92
1961	7,052.00	19,634,680.00	2,784.67
1962	7,084.00	16,100,259.00	2,273.41
1963	8,826.00	17,664,680.00	2,121.59
1964	7,732.00	16,288,426.00	2,106.63
1965	7,119.00	19,192,760.00	2,475.00
1966	7,094.00	20,422,019.00	2,642.00
1967	10,777.00	22,488,502.00	2,012.00
1968	10,826.00	19,089,000.00	1,707.00
1969	11,879.00	27,604,000.00	2,077.00
1970	9,230.00	25,102,000.00	2,476.00
1971	8,829.00	24,634,000.00	2,644.00
1972	10,295.37	28,790,127.00	2,714.00
1973	10,577.16	38,407,473.00	3,179.00
1974	13,111.85	56,039,781.00	3,643.00
1975	9,836.66	39,040,895.00	3,370.00
1976	9,802.90	41,338,045.00	3,710.00
1977	7,363.00	42,494,179.00	4,870.00
1978	8,646.90	49,427,425.00	4,740.00
1979	10,583.25	53,258,918.00	4,290.00
1980	8,041.33	35,144,357.00	3,850.00
1981	8,690.04	33,650,380.00	3,620.00
1982	5,894.13	19,957,263.00	3,150.00
1983	6,292.87	27,492,972.00	3,760.00
1984	5,367.09	35,449,348.00	5,610.00
1985	5,313.93	46,971,755.00	7,490.00
1986	3,716.98	49,961,570.00	11,920.00
1987	2,625.42	36,092,476.00	11,400.00
1988	3,990.00	46,078,508.00	9,380.00
1989	3,496.71	26,514,689.00	6,360.00
1990	2,788.00	13,416,000.00	4,220.00
1991	2,395.00	9,325,000.00	3,270.00
1992	2,299.00	7,711,000.00	2,877.50
1993	4,372.00	24,448,000.00	4,707.50
1994			
1995			

Sources of data: A Digest of Agricultural Statistics, Sarawak, 1965-1967; Pepper Marketing Board, Sarawak, 1968-1993.

Table A 1. 2: Export and Average Price of Black Pepper/Metric Ton in Kuching, Sarawak, 1946-1993

Year	Export of Black Pepper		Average Price of Black Pepper per Metric Ton (RM)
	Quantity (tons)	Value (RM)	
1946	53.00	33,020.00	623.02
1947	107.00	95,115.00	888.93
1948	18.00	39,307.00	2,183.72
1949	7.00	38,437.00	5,491.00
1950	15.00	109,417.00	7,294.47
1951	49.00	382,438.00	7,804.86
1952	2,016.00	15,165,832.00	7,522.73
1953	7,606.00	40,079,679.00	5,269.48
1954	12,750.00	34,177,391.00	2,681.21
1955	13,964.00	25,702,343.00	1,841.14
1956	17,058.00	20,111,645.00	1,179.29
1957	11,422.00	13,359,187.00	1,167.86
1958	4,589.00	51,57,561.00	1,124.14
1959	1,797.00	2,483,287.00	1,388.86
1960	707.00	2,020,197.00	2,865.53
1961	3,902.00	9,010,855.00	2,309.29
1962	4,497.00	7,786,593.00	1,731.89
1963	3,115.00	4,726,336.00	1,517.28
1964	4,382.00	7,376,021.00	1,683.25
1965	10,495.00	22,538,819.00	1,890.00
1966	5,960.00	12,574,174.00	1,828.00
1967	8,724.00	12,980,388.00	1,378.00
1968	11,978.00	15,575,000.00	1,238.00
1969	16,753.00	25,283,000.00	1,460.00
1970	14,791.00	31,103,000.00	1,854.00
1971	17,660.00	38,173,000.00	1,988.00
1972	15,984.32	29,287,919.00	1,811.00
1973	12,342.39	27,848,915.00	1,975.00
1974	15,934.58	46,876,765.00	2,489.00
1975	20,633.45	61,854,341.00	2,520.00
1976	25,744.45	83,104,659.00	2,840.00
1977	19,432.41	90,208,337.00	3,530.00
1978	22,133.03	82,397,031.00	3,040.00
1979	25,512.85	83,070,163.00	2,740.00
1980	22,667.62	68,791,253.00	2,610.00
1981	20,000.64	47,939,067.00	2,210.00
1982	19,118.50	45,778,757.00	2,230.00
1983	17,193.20	50,713,272.00	2,580.00
1984	11,135.04	43,523,956.00	3,400.00
1985	13,756.43	94,348,683.00	5,980.00
1986	11,662.74	115,339,193.00	8,640.00
1987	11,554.91	126,4093,16.00	9,040.00
1988	15,178.81	117,201,768.00	6,090.00
1989	22,795.68	138,630,625.00	4,800.00
1990	26,466.26	103,677,102.00	3,360.00
1991	24,442.47	75,695,416.00	2,450.00
1992	20,794.00	44,928,000.00	1,825.80
1993	12,397.00	35,757,000.00	2,358.40
1994			
1995			

Sources of data: A Digest of Agricultural Statistics, Sarawak, 1965-1967; Pepper Marketing Board, Sarawak, 1968-1993.

Table A 1. 3: Statistics on Size of Cocoa Estate and Land Scheme, Export and Average Price of Dried Cocoa Beans/Metric Ton in Kuching, Sarawak, 1975-1993

Year	Cocoa Export		Cocoa Hectereage		Average Price of Cocoa Beans per Metric Ton (RM)
	Quantity (Tons)	Value (RM)	Estate	Land Scheme	
1975	73.01	198,168.00			2,712.33
1976	108.10	432,655.00			4,009.26
1977	266.86	1,173,229.00			6,483.15
1978	474.54	3,322,421.00			6,970.53
1979	677.43	4,527,688.00			6,688.33
1980	1,464.09	7,562,564.00	97.00	629.00	4,065.60
1981	2,786.39	11,689,258.00	407.00	750.00	3,565.60
1982	4,269.38	14,808,429.00	766.00	812.00	2,952.30
1983	6,551.00	26,223,896.00	916.00	874.00	4,078.10
1984	6,939.03	35,962,320.00	1,117.00	1,754.00	4,835.10
1985	9,989.06	49,878,710.00	1,376.00	3,126.00	4,711.80
1986	12,225.38	56,690,782.00	1,816.00	3,670.00	4,232.70
1987	16,605.70	69,432,130.00	2,109.00	4,265.00	3,210.00
1988	18,415.11	64,374,124.00	2,168.00	4,606.00	3,237.30
1989	1,9227.01	54,181,051.00	2,251.00	5,300.00	2,554.20
1990	21,201.97	54,278,488.00	1,671.00	4,804.00	2,526.10
1991	20,177.44	502,92,588.00	1,551.00		2,478.80
1992	15,915.00	32,764,000.00	1,273.00		1,921.80
1993	11,203.00	24,848,000.00	1,073.00		2,115.10
1994					
1995					

Source of Data: Malaysia Cocoa Board, Sarawak.

Table A 1. 4: Statistics on Size of Oil Palm Estate and Land Scheme, Export and Average Prices of Crude Palm Oil/Metric Ton in Kuching, Sarawak, 1971-1993

Year	Oil Palm Export		Oil Palm Hectereage			Average CPO Price per Metric Ton (RM)
	Quantity (Tons)	Value (RM)	Estate	Land Scheme	Total	
1971			1,409.00	1,098.00	2,507.00	673.00
1972			2,220.00	2,326.00	4546.00	482.26
1973			2,503.00	3,834.00	6,337.00	570.08
1974	4,160.00	807,000.00	3,552.00	6,925.00	10,477.00	1,152.50
1975	24,272.00	4,165,000.00	3,952.00	9,492.00	13,444.00	1,055.23
1976	41,960.00	8,223,000.00	4,133.00	10,634.00	14,767.00	881.65
1977	62,156.00	20,669,000.00	4,143.00	12,013.00	16,156.00	1,224.56
1978	96,412.00	28,346,000.00	4,143.00	14,450.00	18,593.00	1,178.28
1979	112,076.00	35,604,000.00	4,143.00	16,583.00	20,726.00	1,038.00
1980	137,600.00	34,386,000.00	3,931.00	17,900.00	21,831.00	919.00
1981	145,200.00	23,539,000.00	3,912.00	19,274.00	23,186.00	964.00
1982	219,700.00	26,432,000.00	4,010.00	19,236.00	23,246.00	829.00
1983	171,700.00	36,292,000.00	4,266.00	19,913.00	24,179.00	991.00
1984	213,400.00	54,322,000.00	6,122.00	19,200.00	25,322.00	1,407.50
1985	240,600.00	43,691,000.00	7,669.00	19,536.00	27,205.00	728.70
1986	272,300.00	32,625,000.00	8,272.00	19,739.00	28,011.00	518.72
1987	265,000.00	46,893,000.00	10,665.00	20,548.00	31,213.00	773.00
1988	394,000.00	81,367,000.00	13,283.00	21,909.00	35,192.00	1,029.00
1989	454,400.00	87,512,000.00	17,105.00	25,437.00	42,542.00	859.00
1990	516,800.00	77,487,000.00	20,313.00	33,837.00	54,150.00	701.00
1991			21,723.00	37,990.00	59,713.00	836.50
1992			33,810.00	42,686.00	76,496.00	913.00
1993			36,100.00	46,381.00	82,481.00	
1994						
1995						

Source of Data: Sarawak Land Consolidation and Rehabilitation Authority (SALCRA) Headquarters.

Appendix 2
Appendix 2.1

Survey Questionnaire

CONFIDENTIAL

Institute of Advanced Studies
Universiti Malaya

Iban Smallholders and Prices Instabilities: Coping Strategies
and Implications for Policy

Enumerator:
Name of longhouse:
Date of interview:
Interview starts:
Interview ends:
Post interview check by:
Comments:

Part I. Background Information

Note: Circles appropriate code where applicable or write down the code number or the responses given in the space provided. Interviews should be done in the "BILIK" -- WITHOUT NEIGHBORS.

A. Cluster, Village and Case Number

1. Sample Cluster:

Sample cluster code:

- 1 - *Independent Pepper Smallholders* (If cluster 1 then skips part III & IV))
- 2 - *Paku-Layar Cocoa Scheme* (If cluster 2 then skips part II & IV)
- 3 - *Pakit-Undup Oil Palm Scheme* (If cluster 3 then skips part II & III)

2. Longhouse/Village number: ____ (Please leave blank)

3. Sample cluster case number: ____ (Please leave blank)

4. Questionnaire serial number: ____ ____ ____ (Please leave blank)

B. Particulars of Respondent

Interview the head of household and if he or she is not available then select the next most knowledgeable member of the household.

1. Name of respondent: _____

2. Person interviewed:

Respondent code:

- | | |
|---------------------------------|---|
| 1 - <i>Head of 'bilik'</i> (HB) | 4 - <i>Parents/Parents in-law of HB</i> |
| 2 - <i>Wife of HB</i> | 5 - <i>Brother/sister of HB</i> |
| 3 - <i>Children of HB</i> | 6 - <i>Others, (specify) _____</i> |

3. Respondent's age: ____ (years). Please fill in the blank

4. Respondent's educational attainment:

Educational attainment code:

- | | |
|----------------------------|----------------------------|
| 1 - <i>No schooling</i> | 4 - <i>Upper secondary</i> |
| 2 - <i>Primary</i> | 5 - <i>HSC/STPM</i> |
| 3 - <i>Lower secondary</i> | 6 - <i>Tertiary</i> |

C. Characteristics of Household

1. The structural classification (*morphological composition*) of this 'bilik' can be classified as :

Classification code:

- 1 - *Solitaires* (old, widowed)
- 2 - *No family* (unmarried)
- 3 - *Simple family* (nuclear-married couple and siblings)
- 4 - *Extended family* (old couple, their son/daughter and spouse)
- 5 - *Others, (specify) _____*

2. How many persons are there in this household? ____ .

	Currently	In 1985
3. How many dependents are (were) there in this household (<i>including those under 16, those who cannot work because of schooling, illness, or old age</i>)?		
4. How many working adults are (were) there in this household (<i>excluding those under 16, those who cannot work because of schooling, illness, or old age</i>)?		
5. What is (was) the dependency ratio of this household? <i>Note: Method of calculating dependency ratio is as follows:</i> C3/C4 X 100		

6. How many members of this household are in the following schooling age group:

not schooling? _____ *secondary school?* _____
kindergarten? _____ *form six?* _____
primary school? _____ *college/university?* _____

7. Please enumerate the household members by the different age groups given below:

Age Group (years)	Number of male	Number of female
<2		
3 - 5		
6 - 11		
12 - 14		
15 - 17		
18 - 24		
25 - 34		
35 - 44		
45 - 54		
55 >		

D. Extent of Household Affected by Low Cash Crop Prices

1. Is this household badly affected by the current low cash crop prices?

1 - *Yes*
 0 - *No*

2. If yes, how badly affected is this household?

Extent code:

1 - *Very little*
 2 - *Moderately affected*
 3 - *Very badly affected*

Part II. Independent Pepper Smallholders and Coping Strategies

This section is to be answered by the independent pepper smallholders only (cluster sample No. 1). PLEASE SKIP PART III & PART IV

A. Perception on Present Price of Pepper

1. What is your opinion on the present price of pepper?

Pepper price perception code:

1 - *Very bad*

2 - *Fair*

3 - *Good*

B. Size of Pepper Holding

1. When did this 'bilik' first start planting pepper?

_____ (in what year)

2. Number of vines and acreage of pepper farm belong to this household during the last pepper price boom (1985-1989) and their present farm

Number of vines and acreage	During the last pepper price boom (1985-1989)	Present pepper farm	
		Matured vines	Immature vines
Number of vines			
Acreage (e.g. 0.25; 0.5; 0.75; 1.0)			

C. Economic Diversification: Ex Ante Methods

1. Besides pepper, what other cash crops and/or enterprises do you cultivate/manage?

Cashcrop/Enterprise	Do you have the following cash crop or enterprise? Code: 1 - Yes 0 - No	If yes, when did you start the present cash crop or enterprise?	If yes, what is the size of the farm/enterprise or number of herd?
Rubber			acres
Cocoa			acres
Fruits, (specify):			acres
Vegetables			acres
Aquaculture (fish pond)			acres
Livestock, (specify):			heads
			heads
Ricemill			
Retail shop			
Others, (specify):			

D. Interactive & Ex- Post Methods

1. Is this 'bilik' badly affected by the current low pepper prices?

- 1 - *Yes*
0 - *No*

2. If yes, have your 'bilik' made any adjustment?

- 1 - *Yes*
0 - *No*

3. Household responses or strategies used to cope with the current low pepper prices

Household Responses/Strategies (Did you-----?)	Code: 1 - Yes 0 - No	Next, go to questions below
<i>abandon your garden</i>		4 to 6
<i>reduce maintenance</i>		7
<i>process all berries into black pepper only</i>		8
<i>reduce the frequency of harvesting</i>		9
<i>sell all the pepper harvested for cash</i>		
<i>defer selling of pepper</i>		10 to 13
<i>reduce employment of hired labor</i>		14
<i>plant other cash crops</i>		15 to 16
<i>reduce the daily wage rates of hired labor</i>		17
<i>diversify into new enterprise (apart from cash crops)</i>		18
<i>tap rubber more frequently for extra cash</i>		
<i>grow more rice to increase food security</i>		
<i>labor migration ("Bejalai/ bekuli")</i>		
<i>Others, (specify):</i>		

4. If yes, did you abandon all the pepper vines?

- 1 - *Yes*
0 - *No*

5. If not, how many vines have you abandoned?

_____ out of the total _____ vines.

6. Will you abandon your garden if the prices of pepper remain low for a long time?

- 1 - *Yes*
0 - *No*

7. Fill in the frequency and type/brand used for activities *a to d* during the last boom (1985-1988) and the current depressed (1990-1993) periods?

Activities	During the last pepper boom (1985 -1989)		Current pepper low price (1990-1993)	
	Frequency	Type/Brand	Frequency	Type/Brand
<i>a. Fertilizer application</i>				
<i>b. Chemical weed control</i>				
<i>c. Disease control</i>				
<i>d. Insect control</i>				

8. If not, how much of the black and white pepper did you process for the last harvesting season?

Black pepper _____ (in Kg)

White pepper _____ (in Kg)

9. How many rounds of harvesting did you normally do during

the last boom period (1985-1989)?: _____ rounds

current depressed period (1990-1993)?: _____ rounds

10. If you defer selling you pepper, how much of black and white pepper have you stocked up?

Black pepper _____ (in Kg)

White pepper _____ (in Kg)

11. For how many months have you stocked the pepper?

_____ months

12. How much longer can you delay the selling of your pepper?

_____ (years)

13. If you did not defer the selling, what is the main reason?

Reason code:

1 - No cash so have to sell

2 - Need cash to buy farm inputs

3 - Need cash for children's education

4 - Need cash for daily expenses

5 - Others, (specify) _____

14. If you reduced hired labor to cope the currently low prices, for what type of task(s) did you reduce hired labor?

Task code:

1 - Harvesting

2 - Pest and disease control

3 - Weed control

4 - All the above activities

5 - Others, (specify) _____

6 - Combination of above tasks(specify) _____

15. If you have diversified into other cash crops please specify the type and acreage below.

Type of Crop	Size of Farm (in acres or number of plants)

16. If you have not diversified, what is the main reason?

Main reason code:

- 1 - Don't know what other cash crops to plant
- 2 - Other crops are also facing low price problem
- 3 - Don't have any capital
- 4 - No technical knowledge
- 5 - Others, (specify) _____

17. What are the daily wage rates for male and female hired laborer working in your pepper garden during the last boom (1985-1989) and current depressed (1990-1993) period for the following work done?

Work Done	Last pepper price boom (1985-1988) (in MR)	Current pepper low price (1990-1993) (in MR)
Man harvesting the upper portion of the vines		
Man harvesting the lower portion of the vines		
Man doing other jobs		
Woman harvesting the upper portion of the vines		
Woman harvesting the lower portion of the vines		
Woman doing other jobs		

18. If yes, please name the new enterprise(s) that you have ventured into recently and what is the size of the investment?

Type of Enterprise	Size of Investment (in acres or MR invested)

19. Did you plant any new pepper vines in anticipation for better pepper prices in the very near future?

1 - Yes

0 - No

20. If yes, how many vines have you planted so far and what is the acreage?

_____ vines

_____ acres (e.g. 0.25, 5.0, 0.75, 1.0, etc.)

E. Labor Force and Input

1. Fill in all the particulars on the division of labor, type of labor force, and labor input used by this 'bilik' for the different tasks listed in the table below for the last pepper boom period (1985-1989).

Tasks	Division of Labor ^a	Family Labor ^b		Exchange Labor (Bedurok) ^c		Hired Labor ^d	
	Write code: 1, 2 & 3	Write code: 1 to 6	Labor Input (Man- days) ^f	Write code: 1 to 6	Labor Input (Man-days) ^f	Write code: 1 to 6	Labor Input (Man- days) ^f
Managerial							
a. Buy farm inputs							
b. Buy farm equipment							
c. Sell pepper							

d. Labor supervision							
Physical Farm Work							
1. Pepper							
a. Field clearing							
b. Soil preparation							
c. Plant pepper supports							
d. Plant stem cuttings							
e. Provide shading							
f. Flower picking							
g. Pruning & tying shoot							
h. Mounding or re-mounding							
i. Pest & disease control							
j. Weed control							
k. Manuring							
l. Harvesting pepper							
m. Threshing							
n. Processing of white pepper							
i. threshing							
ii. cleaning							
o. Sun drying of black/white pepper							
2. Rubber							
Tapping rubber							
3. Cocoa							
a. Pruning							
b. Harvesting cocoa pods							
c. Processing of cocoa beans							
Reproductive							
a. Childcare							
b. Vegetable gardening							
c. House work							

Note:

^a For the division of labor, who normally does the following tasks.....?

Division of labor code:

- 1 - Male
- 2 - Female
- 3 - Both Male & Female

^b If family labor was employed, who normally carry out the following tasks.....?

Family labor code:

- 1 - No family labor involved
- 2 - Household head only
- 3 - Wife and children
- 4 - Household head and wife
- 5 - All members of household
- 6 - Others, (specify): _____

^c When exchange of labor (bedurok) was used, whom did you exchange labor with?

Exchange of labor code:

- 1 - No exchange of labor used
- 2 - Close relatives only
- 3 - Close relatives and friends
- 4 - Any person from the same longhouse(L/H)
- 5 - Any person from the neighboring L/H
- 6 - Others, (specify) _____

^d If hired labor was employed, whom did you hire?

Hired labor code:

- 1 - No hired labor used
- 2 - Close relatives only
- 3 - Close relatives and friend
- 4 - Any person from the same L/H
- 5 - Any person from the neighboring L/H
- 6 - Others (specify) _____

^f The calculation of labor input (man-days) involves multiplying the number of workers performing a particular task by the number of days required to complete the task first and then multiply the outcome by the frequency of the same task performed per season/year.

2. Fill in all the particulars on the division of labor, type of labor force, and labor input used by this 'bilik' for the different tasks listed in the table below for the current low pepper prices.

Tasks	Division of Labor ^a	Family Labor ^b		Exchange Labor (Bedurok) ^c		Hired Labor ^d	
	Write code: 1, 2 & 3	Write code: 1 to 6	Labor Input (Man-days) ^f	Write code: 1 to 6	Labor Input (Man-days) ^f	Write code: 1 to 6	Labor Input (Man-days) ^f
Managerial							
a. Buy farm inputs							
b. Buy farm equipment							
c. Sell pepper							
d. Labor supervision							
Physical Farm Work							
1. Pepper							
a. Field clearing							
b. Soil preparation							
c. Plant pepper supports							
d. Plant stem cuttings							
e. Provide shading							
f. Flower picking							
g. Pruning & tying shoot							
h. Mounding or re-mounding							
i. Pest & disease control							
j. Weed control							
k. Manuring							
l. Harvesting pepper							
m. Threshing							
n. Processing of white pepper							
i. threshing							
ii. cleaning							
o. Sun drying of black/white pepper							
2. Rubber							
Tapping rubber							
3. Cocoa							
a. Pruning							
b. Harvesting cocoa pods							
c. Processing of cocoa beans							
Reproductive							
a. Childcare							
b. Vegetable gardening							
c. House work							

Note (the same as above)

Part III. Centrally Managed Smallholders I: SALCRA's Paku-Layar Cocoa Scheme

This section is to be answered by the managed smallholders of Paku-Layar Cocoa Scheme only (cluster No. 2). PLEASE SKIP PART II & PART IV

A. Background of Cocoa Scheme

1. How many acres of your land were surrendered to SALCRA for the Paku-Layar Cocoa Scheme?

_____ acres

2. How many numbers of names this household has in this scheme? _____

3. What is the size of land for name No. 1 _____ acres, name No. 2 _____ acres, name No. 3 _____ acres, and name No. 4 _____.

4. After participating in SALCRA land development scheme do you have any more suitable land for planting hill and wet padi?

Hill padi 1 - Yes 0 - No

Wet padi 1 - Yes 0 - No

5. If yes, how many parcels of hill and wet padi land do you have and what is the total acreage for each category?

Type of Padi	Number of Parcel	Total acreage
Hill padi		
Wet Padi		

6. If you do not have your own land, do you still share land with other households?

1 - Yes 0 - No 9 - Irrelevant

7. How long does it take to walk to the nearest parcel of land from your longhouse?

_____ minutes

8. How long does it take to walk to the farthest parcel of land from your longhouse?

_____ minutes

9. How long have your cocoa trees been in harvested?

_____ (To nearest year)

10. How much advance and/or dividend this household has received from SALCRA to date?

_____ (in MR)

11. How much advance and/or dividend this household has received from SALCRA for 1992?

_____ (in MR)

12. Do you agree with the proposal that your present cocoa stands be replaced with oil palm plantings?

Decision code:

- 1 - Agree
- 2 - Disagree
- 3 - Don't know
- 9 - Irrelevant

13. What is your opinion on the present price of cocoa

Cocoa price perception code:

- 1 - Very bad
- 2 - Fair
- 3 - Good
- 9 - Irrelevant

B. Labor Input in Cocoa Scheme

1. How many members of your household are normally employed in the SALCRA cocoa scheme?

Male _____ (number) Female _____ (number)

2. For each person involved, fill in the type of tasks performed, average number of days employed in the scheme per month, and the mean monthly income he/she obtained in the last one year.

Person Involved	Type of Job or Jobs (write the code or codes in the boxes) Job code: 1- Harvesting 2- Weed control 3- Pruning 4- Pest/disease control 5- Manuring 6- Others.(specify):__ _____	Average number of days each particular person work in SALCRA Cocoa Scheme per month	Average monthly income for all the activities carried out in the scheme
Household head			
Wife			
Sons			
1			
2			
3			
4			
Daughters			
1			
2			
3			
4			
Others			
1			
2			

3. After participating in SALCRA Cocoa Scheme, do you consider your present household livelihood to be:

Livelihood status code:

- 1 - Much worse than before
- 2 - A bit better than in the past
- 3 - More or less the same as before
- 4 - Far better than before
- 5 - Better in some ways and worse in the other

(please state your reason(s) for your response)

C. Economic Diversification in Cocoa Scheme

1. Besides participating in the cocoa scheme, do you plant/manage the following cash crops and/or enterprises? If yes, how big is the enterprise, when did you start it, what is the size and roughly what is the labor input (in man-day) you used last year (1992) for the cash/enterprise?

Cash Crop/Enterprise	a. Do you have the following cash crop or enterprise? Code: 1 - Yes 0 - No	b. When did you start the present cash crop or enterprise?	c. Unit (In acres, number or heads)	d. Labor Input (rough estimate of man-days for 1992)
Pepper			acres	
Rubber			acres	
Coconut			acres	
Fruits, (specify):			acres	
			acres	
Vegetables			acres	
Aquaculture (fish pond)			acres	
Livestock, (specify):			heads	
			heads	
Ricemill				
Retail shop				
Work in Paku Oil Palm Estate				

Part IV. Centrally Managed Smallholders II: SALCRA's Pakit-Undop Oil Palm Scheme

This section is to be answered by the managed smallholders of Pakit-Undup Oil Palm Scheme only (cluster No. 3). PLEASE SKIP PART II & PART III

A. Background of Oil Palm Scheme

1. How many acres of your land was surrendered to SALCRA for the Pakit-Undup Oil Palm Scheme?

_____ acres

2. How many numbers of names this household has in this scheme? _____

3. What is the size of land for name No. 1 _____ acres, name No. 2 _____ acres, name No. 3 _____ acres, and name No. 4 _____.

4. After participating in SALCRA Oil Palm land Scheme do you have any more suitable land for planting hill and wet padi?

Hill padi 1 - Yes 0 - No

Wet padi 1 - Yes 0 - No

5. If yes, how many parcels of hill and wet padi land do you have and what is the total acreage for each category?

Type of Padi	Number of Parcel	Total acreage
Hill padi		
Wet Padi		

6. If you do not have your own land, do you still share land with other households?

1 - Yes

0 - No

9 - Irrelevant

7. How long does it take to walk to the nearest parcel of land from your longhouse?

_____ minutes

8. How many minute walk is the farthest parcel of land from your longhouse

_____ minutes

9. How long has your Oil Palm scheme been in production?

_____ (To nearest year)

10. How long has your oil palm been in production?

_____ (To nearest year)

11. How much advance and/or dividend this household has received from SALCRA for 1992?

_____ (in MR)

12. What is your opinion on the present price of oil palm?

Oil palm price perception code:

1 - Very bad

2 - Fair

3 - Good

B. Labor Input in Oil palm Scheme

1. How many member of your household are normally working in the SALCRA Oil Palm scheme?

Male _____ (number)

Female _____ (number)

2. For each person involved, fill in the type of job performed, average number of days work in the oil palm scheme per month, and the mean monthly income he/she obtained.

Household's Members Involved	a. Type of Job (write code number or codes in the boxes) Job code: 1- <i>Harvesting</i> 2- <i>Weed control</i> 3- <i>Pruning</i> 4- <i>Pest/disease control</i> 5- <i>Manuring</i> 6- <i>Others</i> (specify): _____	b. Average number of days each particular person work in SALCRA Oil Palm Scheme per month	c. Average monthly income for all the activities carried out in the scheme
Household head			
Wife			
Sons			
1			
2			
3			
4			
Daughters			
1			
2			
3			
4			
Others			
1			
2			

3. After participating in SALCRA Oil Palm Scheme, do you consider your present household livelihood to be:

Livelihood status code

- 1 - *Much worse than before*
2 - *A bit better than in the past*
5 - *Better in some ways and worse in the other*
- 3 - *More or less the same as before*
4 - *Far better than before*

(please state your reason(s) for your response)

C. Economic Diversification in Oil Palm Scheme

1. Besides oil palm, do you plant/manage the following cash crops and/or enterprises? If yes, how big is the enterprise, when did you start it, what is the size and roughly what is the labor input (in man-days) you used last year(1992) for the cash/enterprise?

Cash Crop/Enterprise	a. Do you have the following cash crop or enterprise? Code: 1 - Yes 0 - No	b. When did you start the present cash crop or enterprise?	c. Unit (In acres, number or heads)	d. Labor Input (rough estimate of man-days for 1992)
Pepper			acres	
Cocoa			acres	
Rubber			acres	

<i>Coconut</i>			acres	
<i>Fruits, (specify):</i>			acres	
<i>Vegetables</i>			acres	
<i>Aquaculture (fish pond)</i>			acres	
<i>Livestock, (specify):</i>			acres	
			heads	
			heads	
<i>Ricemill</i>				
<i>Retail shop</i>				
<i>Others, (specify):</i>				

Part V. Food Security

This section is to be answered by ALL RESPONDENTS

Questions	Type of Rice cultivation	
	a. Hill Padi/Shifting Cultivation	b. Wet Padi
1. Do you plant hill/wet padi currently? Code: 1 - Yes 0 - No		
2. If you plant padi, what is the main reason for planting hill or wet padi?	1 -No wet land available 2 -Prefer to plant hill rice varieties 3 -To continue the tradition 4 .Others,(specify) _____	1 -No land available 2 -Yields obtained are better 3 -Less work involved than hill padi 4 -Others,(specify) _____
3. If you do not plant padi, what is main reason for not planting hill or wet padi?	1 -Yields obtained are too low 2 -Too much work involved 3 -No land available 4 -Shortage of labor 5 -Others,(specify) _____	1 -No wet land available 2 -Shortage of labor 3 - Too involve in land development scheme/no time 4 -Others,(specify) _____
4. Did you increase the area you cleared for hill/wet padi cultivation during the current cash crops prices depression period (1990-1993) code: 1 - yes 0 - No		
5. For size, how large (roughly) is the area you cleared for hill/wet padi cultivation during the current cash crop (pepper/cocoa) prices slump (in acres)?		
6. If you did not increase the size of your padi farm during the last cash crop prices (pepper/cocoa) slump , what is your main reason?	1 -No more land available 2 -Shortage of labor 3 -Others,(specify) _____	1 -No more land available 2 -Shortage of labor 3 -Others,(specify) _____
7. Normally, how many acres (roughly) of hill or wet padi did you cultivate during last cash crops boom period (1985-1989)?		
8. What type of labor force do you use to perform the following tasks (i - v) during the last cash crops (pepper/cocoa) boom for hill/wet padi? i. <i>Clearing</i> ii. <i>Falling</i> iii. <i>Sawing/Transplanting</i> iv. <i>Weed control</i>		

v. <i>Harvesting</i> Labor Force Code: 1. <i>Family labor</i> 2. <i>Hired labor</i> 3. <i>Labor exchange (bedurok)</i> 4. <i>1 & 2; 5. 1 & 3; 6. 2 & 3</i> 7. <i>1, 2 & 3</i>		
9. What is the total man-days requirement for each of the following tasks during the last cash crops (pepper/cocoa) boom?		
i. <i>Clearing</i>		
ii. <i>Felling</i>		
iii. <i>Sawing/Transplanting</i>		
iv. <i>Weed control</i>		
v. <i>Harvesting</i>		
10. What type of labor force do you use to perform the following tasks (i- v) during the current cash crops (pepper/cocoa) slump for hill/wetpadi?		
i. <i>Clearing</i>		
ii. <i>Felling</i>		
iii. <i>Sawing/Transplanting</i>		
iv. <i>Weed control</i>		
v. <i>Harvesting</i> Labor Force Code: 1. <i>Family labor</i> 2. <i>Hired labor</i> 3. <i>Labor exchange (bedurok)</i> 4. <i>1 & 2; 5. 1 & 3; 6. 2 & 3</i> 7. <i>1, 2 & 3</i>		
11. What is the total man-days requirement for each of the following tasks during the current cash crops (pepper/cocoa) prices slump?		
i. <i>Clearing</i>		
ii. <i>Felling</i>		
iii. <i>Sawing/Transplanting</i>		
iv. <i>Weed control</i>		
v. <i>Harvesting</i>		
12. Did your household have sufficient rice for the last harvesting season (1992/93)? Self-sufficiency codes: 1 - <i>Just enough to last till the next season</i> 2 - <i>Some surplus to last several seasons</i> 3 - <i>Insufficient</i>		
13. If you have any surplus of padi did you sell any? 1 - <i>Yes</i> 0 - <i>No</i>		
14. How many months did this household has shortage of rice? _____ (in months)		
15. If this household bought rice, how much did you spend on buying rice to meet the shortfall for the last season (1992/93)? _____ (in MR)		

Part VI. Non and Off-farm Employment

This section is to be answered by ALL RESPONDENTS

1. Besides working on your own farm do you or does any member of your household work anywhere?

- 1 - *Yes*
0 - *No*

2. If yes, how many household members are involved?

Male: _____ Female: _____

3. If there are children involved, how many of them are:

Son?: _____ Daughter?: _____

4. How many persons from this household have permanent salaried job such as working in government service and the like?

_____ (No. of persons)

5. How many of them are male _____, and female _____?

6. Please fill in all the following particulars of those engaged in non or off-farm employment

	Person Involved						
	Head	Wife	Children				Others
			1	2	3	4	
a. If you are involved in off-farm employment what is the type of job you are doing? Job code: 1 - Logging worker 2 - Construction worker 3 - General laborer 4 - Factory worker 5 - Carpenter 6 - Off-shore oil worker 7 - Waiter/waitress 8 - Housemaid 9 - Others, (specify): _____							
b. What is the place of work? <i>(use the code below)</i>							
Place code: 1 - Bintulu 4 - Sibul 7 - Brunei 10 - Kuala Lumpur 2 - Miri 5 - Kuching 8 - Singapore 11 - Others, (specify) _____ 3 - Sri Aman 6 - Sabah 9 - Johore							
c. What is your main reason for doing off-farm work? Reason code: 1 - compensation for the low returns from the pepper farm 2 - need for an increased income to satisfy the needs of family 3 - Seeking job elsewhere/no work in the farm/village 4 - Others, (specify): _____							
d. When did you take up off-farm employment?							
e. How many months did you take up off-farm employment last year (1992)?							
f. How does your employer pay you? Pay code: 1 - Contract basis/piece meal 2 - Monthly basis 3 - Daily basis							
g. What is your yearly income from off-farm employment?							
h. Does he/she ever remit any money home? 1 - Yes 0 - No							
i. How much money did he/she remit home yearly? (in MR)							

j. Would you give up non or off-farm employment if things get better for pepper and cocoa industry? Code : 1 - Yes 2 - No							
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Part VII. Exploitation of Common Property Resources (CPRs)

This section is to be answered by ALL RESPONDENTS.

A. Gathering and Collecting Within and Outside the Longhouse Surrounding Territory (*Menoa*)

1. Did any member of this household involve in gathering and collecting activities within or outside the longhouse surrounding territory?

- 1 - Yes
0 - No

Items	2. If yes, did you collect or gather ...? Code: 1 - Yes 0 - No	3. If yes, was it collected for own use or sale or both? Code: 1 - own use 2 - sale 3 - both	4. If it was collected for sale, when did you start collecting it?	5. How many man-days did you spend on the activity during the current commodity price slump?
<i>Rattan</i>				
<i>Illipenuts</i>				
<i>Garu (sandalwood)</i>				
<i>Bird's nest</i>				
<i>Fire wood</i>				
<i>Sawn timber</i>				
<i>Belian wood</i>				
<i>Round wood (e.g. Jinggau etc.)</i>				
<i>Wild mushrooms</i> Please specify types				
<i>Wild vegetables</i> Please specify types				
<i>Wild fruits</i> Please specify types				
<i>Palm/plant heart (growing shoot)</i>				
<i>Medicinal Herb's and plants</i>				
<i>Others (specify)</i>				

B. Hunting Within and Outside the Longhouse Surrounding Territory (*Menoa*)

1. Does this household still carry out hunting?

1 - *Yes*

0 - *No*

2. If not, what is your main reason for not hunting?

Main reason code:

1 - *No place to hunt*

2 - *No time to hunt/too busy*

3 - *Games are getting rare/exhausted*

4 - *Cannot support us economically*

5 - *Others, (specify)* _____

3. If yes, does this household carry out hunting to supplement income from the cash crops?

1 - *Yes*

0 - *No*

4. When did you start hunting to supplement income from cash crop?

_____ (year)

5. If not, what is the main reason for hunting?

Main reason code:

1 - *For household consumption*

2 - *For recreational*

3 - *For 1 & 2 above*

4 - *Others (specify)* _____

6. What techniques of hunting did you use

Techniques' code:

1 - *Night-hunting*

2 - *Nylon-spring snares*

3 - *Static traps*

4 - *Shooting by stalking or from hides(ngipa)*

5 - *Shooting with dogs by day*

6 - *Others (specify)* _____

7 - *Combination of above (specify)* _____

7. If this household is involved in hunting to supplement income, please fill in all the particulars below.

Type of Animal	Number Hunted	Quantity Sold (in Kg)	Price per Kg in MR
<i>Bearded pig</i>			
<i>Deer (rusa)</i>			
<i>Barking deer (kijang)</i>			
<i>Mouse deer (Pelandok)</i>			
<i>Monitor lizard</i>			
<i>Pangolins</i>			
<i>Porcupines</i>			
<i>Bears</i>			
<i>Birds, (specify):</i>			
<i>Others, (specify):</i>			

8. In what form do you sell your kill?

Form of Sale code:

- 1 - *Fresh*
- 2 - *Preserved*
- 3 - *1 & 2*

9. How do you sell your kill?

Selling code:

- 1 - *Sell direct to consumers/neighbors*
- 2 - *Sell to towkay at nearest town/bazaar*
- 3 - *Sell to organized meat trader in town*
- 4 - *Others (specify) _____*
- 5 - *Combination of above (specify) _____*

10. How many man-days did you spend on hunting last year (1992)?

_____ (man-days)

C. Riverine and Peat Swamp Area Fishing Within and Outside the Longhouse Surrounding Territory (*Menoa*)

1. Does this household still carry out fishing?

- 1 - *Yes*
- 0 - *No*

2. If not, what is the main reason?

Main reason code:

- 1 - *River/stream has no more fish*
- 2 - *No river/stream to fish nearby*
- 3 - *No time for fishing*
- 4 - *Cannot support us economically*
- 5 - *Others, (specify) _____*

3. If yes, what form of fishing do you normally carry out?

- 1 - *Riverine only*
- 2 - *Peat swamp area only*
- 3 - *1 & 2*

4. If yes, does this household carry out fishing to supplement income from the cash crops?

- 1 - *Yes*
- 0 - *No*

5. If yes, when did you start fishing to supplement income from cash crops?

_____ (year)

6. If not, what is the main reason for fishing?

Main reason code:

- 1 - *To get fish for household consumption*
- 2 - *For recreational*
- 3 - *For 1 & 2 above*
- 4 - *Others (specify)* _____

7. What techniques did you use for Riverine fishing?

Riverine fishing techniques' code:

- | | | |
|------------------------------------|--|-------------------------|
| 1 - <i>Pukat</i> | 5 - <i>Trap (bubu)</i> | 9 - <i>Mansai</i> |
| 2 - <i>Lengian/Ngalambau</i> | 6 - <i>Tuba fishing</i> | 10 - <i>Ngeyar</i> |
| 3 - <i>Static line(betaut)</i> | 7 - <i>Spearing</i> | 11 - <i>Nyagam</i> |
| 4 - <i>Rod</i> | 8 - <i>Current</i> | 12 - <i>Casting net</i> |
| 13 - <i>Others (specify)</i> _____ | 14 - <i>Combination of above (specify)</i> _____ | |

8. What techniques did you use for peat swamp area fishing?

Techniques of Fishing code:

- 1 - *Static line during high water*
- 2 - *Site trap (bubu duduk)*
- 3 - *Site tuba poisoning*
- 4 - *Combination of above, (specify)* _____

9. In what form do you sell your catch?

Form of Sale code:

- 1 - *Fresh*
- 2 - *Preserved*
- 3 - *1 & 2*

10. How do you sell your catch?

Selling code:

- 1 - *Sell direct to consumers/neighbors*
- 2 - *Sell to towkay at nearest town/bazaar*
- 3 - *Sell to organized meat trader in town*
- 4 - *Others (specify)* _____
- 5 - *Combination of above (specify)* _____

11. How much did you get from the sale of your catch last year (1992)?

_____ (Kg)

12. How many man-days did you spend on fishing last year (1992)?

_____ (in man-days)

Part VIII. Exploitation of Community & Kinship Ties

This section is to be answered by ALL RESPONDENTS

A. Items On Credit During Cash Crop Boom

Items	1. Did you ever borrow money or obtain the following item on credit during the last cash crop prices boom (1985-1989)? Code: 1 - Yes 0 - No	2. If yes, when did you borrow money or obtain the item on credit?	3. What is the amount you borrow and quantity on credit?	4. If yes, from whom did you borrow it? Lender code: 1 - Commercial bank 2 - Neighbor/friend 3 - Relatives 4 - Money lender 5 - Shopkeeper at longhouse 6 - Towkay at Bazaar 7 - FQA 8 - Others (specify):
Money			MR	
Fertilizer				Bags
Insecticide				Kg or liter
Fungicide				Kg or liter
Weedicide/herbicide				liter
Others (specify)				

5. If you borrow some money what was your main purpose?

Purpose code:

1 - Buying food

2 - Children education

3 - Medical expenses

4 - Fertilizer/pesticide

5 - Agricultural tools

6 - Business

7 - Others(specify) _____

B. Items On Credit During Cash Crop Depression

Items	1. Did you ever borrow or obtain the following on credit during the current cash crop prices depression? code: 1 - Yes 0 - No	2. If yes, when did you borrow money or obtain the item on credit?	3. What is the amount you borrow and quantity on credit?	4. If yes, from whom did you borrow it? Lender code: 1 - Commercial bank 2 - Neighbor/friend 3 - Relatives 4 - Money lender 5 - Shopkeeper at longhouse 6 - Towkay at Bazaar 7 - FQA 8 - Others (specify):
Money			MR	
Fertilizer				Bags
Insecticide				Kg or liter
Fungicide				Kg or liter
Weedicide/herbicide				liter
Others (specify)				

5. If you borrow some money what was your main purpose?

Purpose code:

1 - *Buying food*

2 - *Children education*

3 - *Medical expenses*

4 - *Fertilizer/pesticide*

5 - *Agricultural tools*

6 - *Business*

7 - *Others(specify)* _____

C. Lending Money

1. Did you lend money during the last cash crops (pepper/cocoa) boom?

1 - *Yes*

2 - *No*

2. Who did you lend money to?

Borrower code:

1 - *Neighbor/Friends*

2 - *Relatives*

3 - *Others (specify)* _____

4 - *Combination of above (specify)* _____

3. What was the main purpose of the loan?

Purpose code:

1 - *Buying food*

2 - *Children education*

3 - *Medical expenses*

7 - *Others(specify)* _____

4 - *Fertilizer/pesticide*

5 - *Agricultural tools*

6 - *Business*

4. When did you lend the money?

_____ (year)

5. Please state the amount you lend.

MR _____

6. Did you lend money during the current cash crops (pepper/cocoa) slump?

1 - *Yes*

0 - *No*

7. If yes, Who did you lend money to?

Borrower code:

1 - *Neighbor/Friends*

2 - *Relatives*

3 - *Others (specify)* _____

4 - *Combination of above (specify)* _____

8. What was the main purpose of the loan?

Purpose code:

1 - *Buying food*

2 - *Children education*

3 - *Medical expenses*

7 - *Others(specify)* _____

4 - *Fertilizer/pesticide*

5 - *Agricultural tools*

6 - *Business*

9. When did you lend the money during this period?

_____ (year)

10. Please state the amount you lend.

MR _____

Part IX. Assets and Assets Disposal

This section is to be answered by ALL RESPONDENTS

Please fill in all the particulars on the assets of this household and ask the appropriate questions below.

Assets	1. Do you have ----? Possession code: 1 - Yes 0 - No	2. If yes, what is the size or number of the asset?	3. Have you ever sell any of your asset in order to obtain fast cash during bad agricultural season? Code: 1 - Yes 0 - No	4. When did you sell it?	5. What is the total value of the sale of the asset?
A. Land					
1. Mixed Zone Land		acres			
2. Native Area land		acres			
3. Native Customary Land (NCR)		acres			
B. Family Heirloom					
1. Storage jar					
2. Valuable dish					
3. Valuable bowl					
4. Single large gong (tawak)					
5. Brass gong (bebendai)					
6. Small gong (engkarumong)					
7. Sword (ilang)					
8. Brass cannon					
9. Miniature brass cannon					
10. Brass jar					
11. Brass tray (Tabak)					
12. Brass kettle					
13. Old coins					
14. Jewelers and ornaments (specify type):					
15. Woven skirt (bidang)					
16. Pua Kumbu					
17. Others (specify)					
C. Livestock					
1. Chicken				heads	
2. Pigs				heads	
3. Fighting cock				heads	
4. Ducks				heads	
5. Geese				heads	
6. Cattle				heads	
7. Others					

D. Mortgage of Assets

1. Have you ever mortgage any of your assets to secure a loan?

1 - Yes 0 - No

2. If yes, when did you do the transaction?

_____ (year)

3. What was/were the assets that you mortgage (please specify)?

4. Who did you mortgage it to?

Patron code:

- 1 - Commercial bank
- 2 - Neighbor/friend
- 3 - Relatives
- 4 - Shopkeeper at longhouse
- 5 - Towkay at Bazaar
- 6 - Others (specify) _____

5. What was the main purpose of the loan from the mortgage?

Purpose code:

- | | |
|---------------------------|--------------------------|
| 1 - Buying food | 4 - Fertilizer/pesticide |
| 2 - Children education | 5 - Agricultural tools |
| 3 - Medical expenses | 6 - Business |
| 7 - Others(specify) _____ | |

E. Savings

1. Do you save any money

1 - Yes
0 - No

2. If not, what is the main reason?

Main reason code:

- 1 - No money to save/not enough money to save
- 2 - Money all spent to pay debt
- 3 - Have to support other family members elsewhere
- 4 - Others (specify) _____

3. If yes, where and how much?

Where do you save the money?	How much (in MR)?
1 - Commercial bank.(specify the name):	
2 - Amanah Saham Nasional (ASN)	
3 - Bumiputra Saham Nasional (BSN)	
4 - Area Farmer Organization (AFO)	
5 - Towkay in Bazaar	
6 - Relatives	
7 - Others, (specify):	

4. Did you ever withdraw your saving to cover the shortfall in income during the current commodity price slump?

- 1 - *Yes*
0 - *No*

5. If yes, how much have you withdrawn?

_____ (in MR).

6. What was the purpose of the withdrawal?

Purpose of withdrawal code:

- | | |
|-----------------------------------|---------------------------------|
| 1 - <i>Buying food</i> | 4 - <i>Fertilizer/pesticide</i> |
| 2 - <i>Children education</i> | 5 - <i>Agricultural tools</i> |
| 3 - <i>Medical expenses</i> | 6 - <i>Business</i> |
| 7 - <i>Others,(specify)</i> _____ | |

Part X. Income From All Sources

This section is to be answered by ALL RESPONDENTS

Please secure the information on the household income for last year (1992) for the following sources:

Enterprise	Income (in MR)
Pepper	
Cocoa	
Rubber	
Oil Palm	
Fruit	
Vegetables	
Padi	
Livestock	
a. Chicken	
b. Pig	
c. Others (specify)	
Hunting	
Fishing	
Gathering and collecting	
Retailing	
Ricemill	
Off-farm employment	
Remittances	
Others (specify)	
Total Income	

Part XI. Expenditure Pattern

Items	1. How much does your household spent per month on the average on the following:	2. Did your household reduce expenditure on the following because of bad cash crop prices?
Food (excluding rice)		
Kerosene/gas		
Schooling		
Clothing		
Transportation		
Electricity bill		

Part XII. Smallholders' Livelihood Vulnerability

1. How vulnerable is your 'bilik' livelihood to cash crop price instability?

- 1 - *Minimal*
- 2 - *Moderately vulnerable*
- 3 - *Very vulnerable*

Part XIII. Enumerator's Remark

1. How cooperative is the respondent during the interview?

Cooperativeness code:

- 1 - *Very cooperative*
- 2 - *Cooperative*
- 3 - *Not cooperative*

2. Time of interview

Time code:

- 1 - Morning
- 2 - Noon
- 3 - Afternoon
- 4 - Evening
- 5 - Night
- 6 - Early morning (after 12 midnight)

3. Length of interview: _____ (in minutes)

Appendix 2.2

Table A 2.1 to Table A 2.3

Table A 2. 1: SALCRA: Planted Area and Number of Scheme Participants by Projects/Schemes, August 1992

Projects/Schemes	Perimeter Area (Ha)	Planted Hectare (Ha)			Year of Planting (Development)	Number of Participants
		Matured	Immature	Total		
A. OIL PALM SCHEMES						
ROSA Schemes						
1. Lemanak	2251	1873	0	1873	1978 - 1981	462
2. Batu Kaya	1177	1014	0	1014	1979 - 1980	189
3. Batu Kaya Extension	1758	0	1214	1214	1989 - 1993	280
4. Pakit-Undop	3411	2169	482	2651	1982 - 1988	825
5. Memaloi OPS	1556	0	797	797	1991 - 1993	339
6. Pais/Enteban OPS	2297	0	0	0	1992 - 1993	295
Sub-total (1 to 6)	12450	5056	2493	7549		2390
Kelaka-Saribas IADP						
7. Saratok	2998	0	2192	2192	1989 - 1993	732
8. Roban-South	1403	498	843	1341	1987 - 1993	512
9. Roban-North	1601	0	1368	1368	1989 - 1993	214
10. Rimbas	638	0	356	356	1990 - 1993	171
11. Kabong-Nyabor	672	0	173	173	1991 - 1993	26
12. Layar	410	0	84	84	1991 - 1993	127
13. Krian	229	0	0	0	1992 - 1995	0
14. Paku	294	0	0	0	1992 - 1995	33
Sub-total (7 to 14)	8245	489	5016	5514		1815
6MP Projects						
Serian OPC						
15. Kedup I OPS	1641	0	279	279	1991 - 1995	250
16. Kedup II OPS	1986	0	267	267	1991 - 1995	211
Sub-total (15 to 16)	3627	0	546	546		461
Bau-Lundu OPC						
17. Jagoi I OPS	2207	0	173	173	1991 - 1995	274
18. Undan OPS	7215	0	424	424	1991 - 1995	315
Sub-total (17 to 18)	9422	0	597	597		589
Total (A)	33744	5554	8652	14206		5255
B. COCOA SCHEMES						
1. Kpg. Tae/Serian CS						
2. Tae Extension	435	80	201	281	1988 - 1990	223
3. Kpg. Bajo-Pandan-Blungei	567	316	0	316	1984 - 1990	208
4. Kpg. Bajo Extension	616	228	140	368	1988 - 1990	142
5. Paku-Layar	1461	916	215	1131	1988 - 1990	345
6. Pantu	475	184	83	267	1988 - 1990	89
7. Krokong	474	97	104	201	1988 - 1990	96
8. Awik (Kalaka)	374	166	106	272	1988 - 1990	91
Total (B)	5387	2783	849	3632		1505
C. BTG. AI RESETTLEMENT SCHEME						
1. Cocoa						
2. Rubber	1598	156	897	1053	1985 - 1988	
3. Oil Palm	388	0	340	340	1989 - 1990	
Total (C)	2944	576	1237	1813		748
D. TEA PROJECT						
1. Mayang Tea Project						
E. Coffee Project	219	190	0	190	1982 - 1984	163
1. Kpg. Tema Coffee Project						
	109	0	54	54	1990 - 1992	142
Grand Total (A to E)	42403	9103	10792	54		7813
SUMMARY						
Oil Palm	34132	5554	8992	14546		
Cocoa	6345	3203	849	4052		
Rubber	1598	156	897	1053		
Tea	219	190	0	190		
Coffee	109	0	54	54		
Total	42403	9103	10792	19895		

Source: SALCRA Headquarters, Kuching, Sarawak.

Table A 2. 2: Profile of Pakit-Undop Oil Palm Scheme

Phase	Locality		No. of Block	No. of Participant	Block Size (Hectare)	Size per Participant (Hectare)	Date of Planting
	Communal Block	Longhouse					
One	Pakit	R. Briku & R. Ayok	14	86	748.29	8.70	1982
	Bayai	R. Anek & R. Sali	1	25	65.37	2.61	
	Sutong	R. Jimi	1	22	56.40	2.56	
	Entulang	R. Kendawang	1	19	59.30	2.42	
	Panggau	R. Jopin	2	21	96.57	4.60	
	Batu	R. Muyoh, R. Untol & R. Riag	3	58	99.39	1.71	
	Besai	Sub - total	22	232	1111.97	4.77	
Two	Jumbit	R. Ngiring, R. Sli	10	135	217.20	4.23	1984
		R. Amid, R. Naong, R. Dominac & R. Gaek					
		Sub - total	10	135	217.20	1.61	
Three	Po Ai	R. Tambi & R. Minggu	11	61	258.16	4.23	1985
		Sub - total	11	61	258.16	1.23	
Four	Nyelam	R. James Drew, R. Kichen & R. Blassan	6	68	153.73	2.26	1985
	Tekalong	R. Mail, R. Labut, R. Tugon & R. Meron	8	199	140.85	.71	1985
	Empadi	R. Jawan, R. Bunya & R. George	7	47	127.48	2.71	1986
		Sub - total	21	314	422.06	1.34	
Five	Entawa San Ugol	R. Libau	3	44	88.87	2.02	1987
		R. Sambau	3	35	86.05	2.46	1988
		Sub - total	6	79	174.92	2.21	
		Grand - total	70	821	2184.31	2.65	

Source of Data: SALCRA Pakit-Undop Oil Palm Scheme Site Office

Table A 2. 3: Sampling Frame for the Bukit Begunan Independent Pepper Smallholders

List of Longhouse	Number of Households or Bilik
1. R. Batang, Rapak	13
2. R. Linggang, Rapak	14
3. R. Benk, Rapak	9
4. R. Entika, Rapak	16
5. R. Kalom, Rapak	14
6. R. Gaseng, Lachau	45
7. R. Lawai, Lachau	5
8. R. Randi, Lachau	20
9. R. Jelanie, Lachau	34
10. R. Kubu, Kandis	10
11. R. Jipin, Kandis	20
12. R. Laham, Bangkong	11
13. R. Mual, Bangkong	36
14. R. Gerang, Kubau	16
15. R. Nigong, Kubau	17
16. R. Ading, Empelanjau	23
17. R. Lani, Empalanjau	34
18. R. Segoh, Empalanjau	8
19. R. Sureng, Lachau	10
20. R. Gani, Lachau	15
21. R. Mamba, Punggu	4
22. R. Junau, Punggu	28
23. R. Ligan, Punggu	20
24. R. Suting, Punggu	19
25. R. Rawie, Punggu	32
26. R. Buya, Ran	19
27. R. Ganing, Ran	15
28. R. Spencer, Mg. Mawang	15
29. R. Gura, Enchiap	25
30. R. Meli, Enchiap	8
31. R. Epi, Kara	19
32. R. Got, Kara	8
33. R. Balang, Kara	16
34. R. Ringkai, Bait	18
35. R. Entai, Bait	10
36. R. Bunan, Empili	30
37. R. Jantan, Empili	22
38. R. Bangga, Sg. Labi	8
39. R. Brangka, Sg. Labi	3
40. R. Iran, Sg. Besai	17
41. R. Juna, Sg. Besai	34
42. R. Marphy, Selanjan Sebemban	49
43. R. Igoh, Selanjan Jalong	24
44. R. Linang, Selanjan Angkong	25
Total	838

Appendix 3

Appendix 3.1

SARAWAK GOVERNMENT
PERMIT TO TAKE FOREST PRODUCE
(NOT TRANSFERABLE)
THE FORESTS ORDINANCE
(Section 51)

T. 125

N^o 33595

Station Sri Aman
Date 1/7 1994

REVENUE	
Head	Subhead
Roz	01

This permit authorizes Dunya ak Dana K.576834
of R.H. Dunya Ram to take within the locality hereunder
specified, in the district of Sri Aman such forest
produce as is hereunder described during a period of Three months
from the date hereof, subject to the provisions of the Forests Ordinance, and
any rules made thereunder.

Locality Ran (Crown Land)

Produce Tinggi

Date of Issue 01 July 1994

Date of Expiration 30 Sept 1994

RECEIVED the sum of Dollars Three only
..... in respect of this permit.

\$ 3/-



NOTE:—This permit is issued subject also to the conditions endorsed on the back hereof.