Appendixes:

Appendix A: Questionnaire Kaingin

University van Hall larenstein, The Netherlands—Centre For Sustainability, The Philippines

Questionnaire Land Grabbing:

| Name Interviewer: | |
|-------------------|--|
| Name Respondent: | |

| Gender: | |
|-------------|--|
| Age: | |
| Occupation: | |
| Profession: | |

| No. of years in the Area: | | | |
|---------------------------|--|--|--|
| Monthly income: | | | |
| 0-1000 | | | |
| 1000-3000 | | | |
| 3000-5000 | | | |
| >5000 | | | |

Interview Reason:

We are researchers who work for the NGO 'Centre for Sustainability' to help mapping the forest areas, agricultural areas and residential places in the Municipality of Puerto Princesa, in particular the Baranguays; Cabayugan and Tagabinet. We are very interested in your view on the land cover change since the last decade (2002-2012), what kind of problems you encounter and what solutions you think would be good to solve the problem.

Down below is a list of pre-arranged questions which we would like to ask you to answer the subject that we are doing research on. Your answers will be appreciated and would be very helpful to gain a better insight in the Kaingin situation in Cabayugan and Tagabinet. The information which is collected during the interview will be dealt confidential and is only used for this research.

1) What is the main reason that you are applying forest conversion?

| lack of income | I want to have more land |
|-------------------------|------------------------------------|
| I have no land | swidden cultivation/slash and burn |
| annual yield is too low | other |

2) How do you converse the forest?

| swidden cultivation | slash and burn/permanent settlement |
|---------------------|-------------------------------------|
| cut all the trees | other |

3) About how much land have you converted?

| 0-1 hectare | 10-20 hectares |
|---------------|----------------|
| 1-5 hectares | 20-50 hectares |
| 5-10 hectares | > 50 hectares |

4) Where do you use the land for after forest conversion?

| agriculture | residential area/farmhouse |
|--------------|--------------------------------------|
| farm animals | establishment of a store for tourism |

____other

| 5) In the case of agriculture, what do y | vou plant? |
|--|--|
| rice | banana |
| mais | coconut |
| other | |
| | |
| 6) In the case of farm animals, which a | • |
| chickens | dugs |
| water buffels | goats |
| other | |
| 6) In the case of tourism, what kind of | shop do you want to build? |
| restaurant | hotel/pension |
| fast food | bar |
| other | |
| 8) What effects do vou notice in your | local environment because of Land Grabbing? |
| loss of forests/vegetation | loss of water |
| There is a loss of wildlife | increase in (soil) erosion |
| decrease in water quality | increase in competition for natural resources |
| other | |
| | to merch the mercetive offerstal |
| 10) What kind of solutions do you use | - |
| Legitimate Ownership | Higher yield with better technology |
| Alternative job (tourist guide) | Other |
| Alternative Agricultural use (Agro | oforestry) |
| 11) Did you have any problems with the | ne government or other people in relation to Kaingin |

11) Did you have any problems with the government or other people in relation to Kaingin or forest conversion?

12) What type of ownership do you have on your land?

13) How many additional hectares of land would you like in the future?

14) What kind of crops would you like to plant on this additional land?

Appendix B: Questionnaire Charcoal Production

University van Hall larenstein, The Netherlands—Centre For Sustainability, The Philippines

Questionnaire Charcoal-Maker:

| Name Interviewer: | |
|-------------------|---|
| Name Respondent: | |
| | |
| Gender: | _ |
| Age: | _ |
| Occupation: | |
| Profession: | _ |

| No. of years | in the Area: | |
|--------------|--------------|--|
| Monthly inco | ome: | |
| 0-1000 | | |
| 1000-3000 | | |
| 3000-5000 | | |
| >5000 | | |

Research Reason:

We are researchers who work for the NGO 'Centre for Sustainability' to identifying how much charcoal is collected in the Municipality of Puerto Princesa, in particular the Baranguays; Cabayugan and Tagabinet. We are very interested in your view on the Charcoal Production since the last decade (2002-2012), what kind of problems you encounter and what solutions you think would be good to solve the problem.

Down below is a list of pre-arranged questions which we would like to ask you to answer the subject that we are doing research on. Your answers will be appreciated and would be very helpful to gain a better insight in the Charcoal Production situation in Cabayugan and Tagabinet. The information which is collected during the interview will be dealt confidential and is only used for this research.

1) What is the main reason why you produce charcoal?

2) Which are the best tree species for charcoal-making, why are they good? Give a list of 5-10 tree species which are commonly used

3) What part of a tree is used for charcoal making?

| Whole tree | Branches |
|------------|----------|
| Stem | Other |
| - . | |

____Roots

4) How big are the trees that you use for charcoal-making?

____0-10 cm ____30-40 cm ____30-40 cm

5) How often do you produce charcoal?

| 1x a week | 3x a week |
|-----------|-----------|
| 2x a week | >4 a week |
| | other |

6) How many trees do you need for 1 burning or one sack of charcoal?

7) What time of year do you produce charcoal?

8) How far do you need to travel to gather enough firewood for a burning?

| 0-500 meter | 1000-2000 meter |
|----------------|-----------------|
| 500-1000 meter | >2000 meter |

9) Are there any changes in comparison with 5 years ago how far you have to walk for enough firewood?

10) How many bags of charcoal are made per burning?

____0-5 ____10-15 ____5-10 ____20 or more

11) Is the charcoal you make sold or is all the charcoal used for home consumption?

____partly sold _____completely sold

_____partly for home consumption _____completely for home consumption _____other

12) In the case of selling, where do sell the charcoal then?

Local market _____To a local buyer Local Sari-Sari Store _____Other

13) How much Pesos is payed for one bag of charcoal?

| 0-20 | 40-50 |
|-------|-------|
| 20-30 | 50-60 |
| 30-40 | >60 |

14) How much money do you generate per month with charcoal-making?

| 0-500 pesos | 1500-2000 Pesos |
|-----------------|-----------------|
| 500-1000 pesos | 2000-3000 Pesos |
| 1000-1500 Pesos | >3000 Pesos |

16) Have you got other activities to generate income?

____Yes No

17) Are you familiar with the effects of charcoal-making on the environment?

____Yes ____Other

| No |
|----|
|----|

18) What effects do you notice in your local environment because of charcoal-making? _____loss of forests/vegetation _____loss of water

_____It is harder to find charcoal species _____decrease in water quality

_____There is a loss of Wildlife _____increase in (soil) erosion

_____increase in competition for natural resources

20) What kind of solutions would you be interested in to solve the negative effects? _____alternative fuel (Biogas, Kerosene) _____alternative energy sources (hydropower) _____more efficient stoves _____other

Additional Questions Charcoal-Buying:

Firewood use:

- 1) Which species of firewood do you use?
- 2) Where do you get the firewood from?
- 3) What part of a tree do you use for firewood?
- 4) How many parts of a tree do you use per week?

Charcoal-Buying Sari Sari Store:

- 1) Where do you buy the charcoal?
- 2) How much do you pay for 1 sack?
- 3) How many sacks do you sell?
- 4) How much do you ask for 1 sack?
- 5) Where do you sell the sacks?
- 6) To whom do you sell the sacks?
- 7) What is you additional monthly income for selling charcoal?

Appendix C: Questionnaire Charcoal Consumption

University van Hall larenstein, The Netherlands—Centre For Sustainability, The Philippines

| Questionnaire Charcoal-Buyer: | | |
|-------------------------------|-----------------|-----------|
| Name Interviewer: | | |
| Name Respondent: | | |
| Gender: | No. of years in | the Area: |
| Age: | Monthly incon | ne: |
| Occupation: | 0-1000 | |
| Profession: | 1000-3000 | |
| | 3000-5000 | |
| | >5000 | |

Research Reason:

We are researchers who work for the NGO 'Centre for Sustainability' to help identify how much charcoal is collected in the Municipality of Puerto Princesa, in particular the Baranguays; Cabayugan and Tagabinet. We are very interested in your view on Charcoal Consumption since the last decade (2002-2012), what kind of problems you encounter and what solutions you think would be good to solve the problem.

Down below is a list of pre-arranged questions which we would like to ask you to answer the subject that we are doing research on. Your answers will be appreciated and would be very helpful to gain a better insight in the Charcoal Consumption situation in Cabayugan and Tagabinet. The information which is collected during the interview will be dealt confidential and is only used for this research.

1)Do you use charcoal?

2) Why do you use charcoal?

____Affordable

____Convenient

____only fuel source other

3) Which species are used to make charcoal? Mention the list of 5-10 species

4) How frequently do you buy charcoal?

| 1x a week 2x a week 3x a week | >4x a week other |
|---|--|
| 5) How heavy is one sack of charcoal? | |
| 6) How much do you pay for one bag 0-40 Pesos 40-60 Pesos | of charcoal? 60-80 Pesos <80 Pesos |
| 7) Where do you buy the charcoal? Straight from the burning site At the local Sari-Sari Store | At the local market Other, Please specify |

8) How much bags of charcoal do you consume per week?

| 0-5 bags | 10-15 bags |
|-----------|------------|
| 5-10 bags | >20 bags |

9) Can you buy charcoal year-round?

10) Is there more or less charcoal supply during the rainy season in comparison with the dry season?

11) What effects do you notice in your local environment because of charcoal-making?

____loss of forests/vegetation ____loss of water

 It is harder to find charcoal species
 _____decrease in water quality

 _____There is a loss of Wildlife
 _____increase in (soil) erosion

_____increase in competition for natural resources

12) What kind of solutions would you be interested in to solve the negative effects?

_____alternative fuel (Biogas, Kerosene) _____alternative energy sources (hydropower)

more efficient stoves ____other

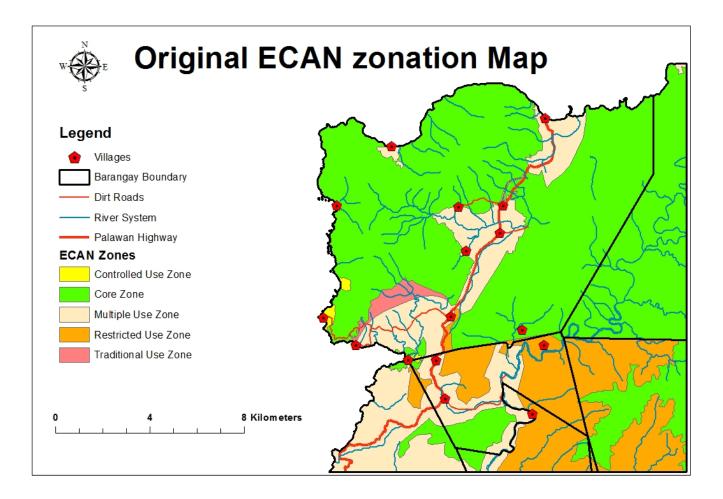
13) Can we weigh one of your charcoal sacks?

14) How many trees are necessary for 1 charcoal sack?

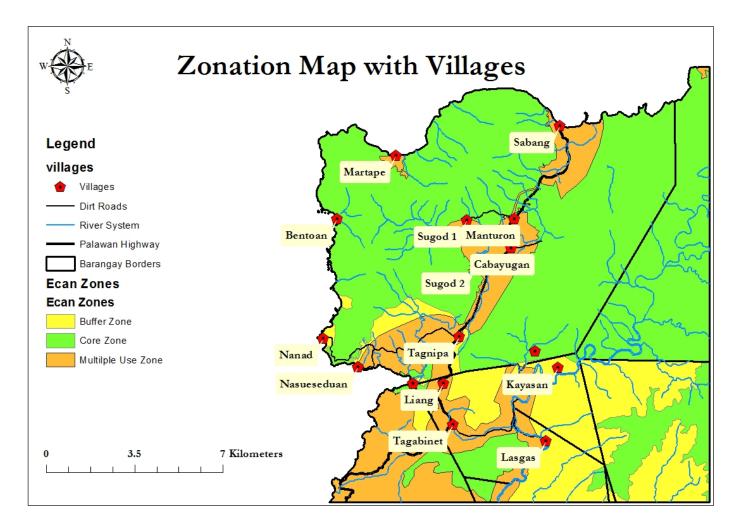
Appendix D: Field Form Burning Sites

| Field Form (| Charcoal Piles/Sa | cks Counts | | | | |
|--|------------------------|--------------|---|-----------------------------------|-----------------------------------|-------------------------------|
| Method Description: The method will be performed by consultation of local residents in com | | | nbination | | | |
| with transect li | nes in the adjacent fo | rest area | | | | |
| Names survey | [eam | | | Date | | |
| | | | Average Dm of the Burning Sites | N charcoal Piles | Dm Charcoal Piles | N Charcoal Sacks (if Present) |
| | | | The different Burning Sites are measured in height, length and | Number of charcoal Piles which is | The lowest and the highest DBH is | N of charcoal Sacks that is |
| | | | width | encountered on the site | measured of the logs | encountered on the site |
| Waypoints | x coordinate | y coordinate | Average dm. of burning sites | N charcoal Piles | DBH classes Charcoal Piles | N charcoal Sacks |
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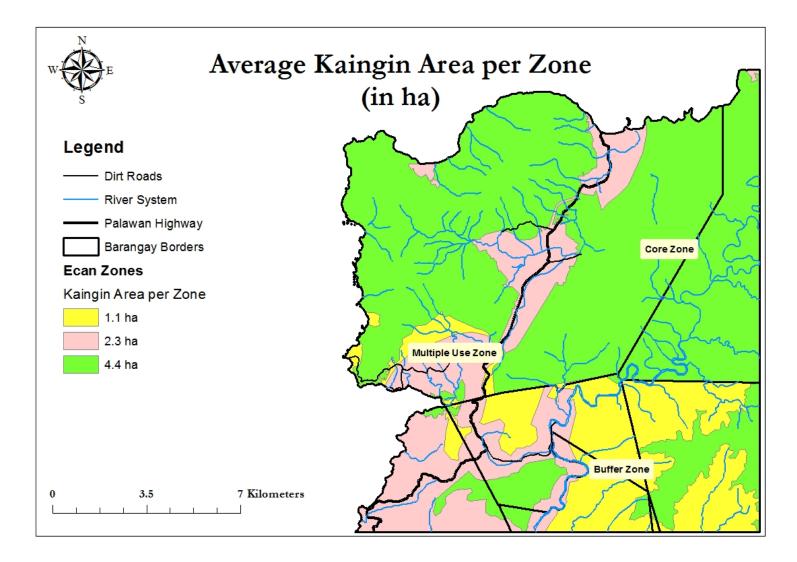
Appendix E: ECAN Zonation Map



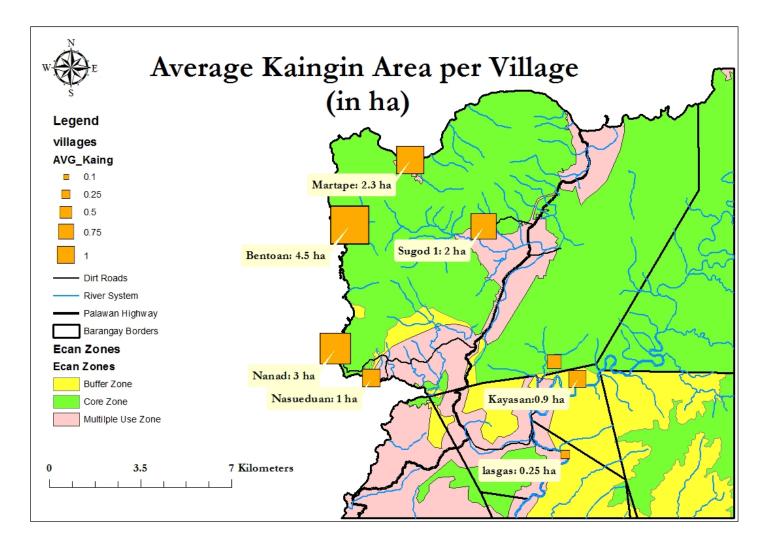
Appendix F: Study Area Map



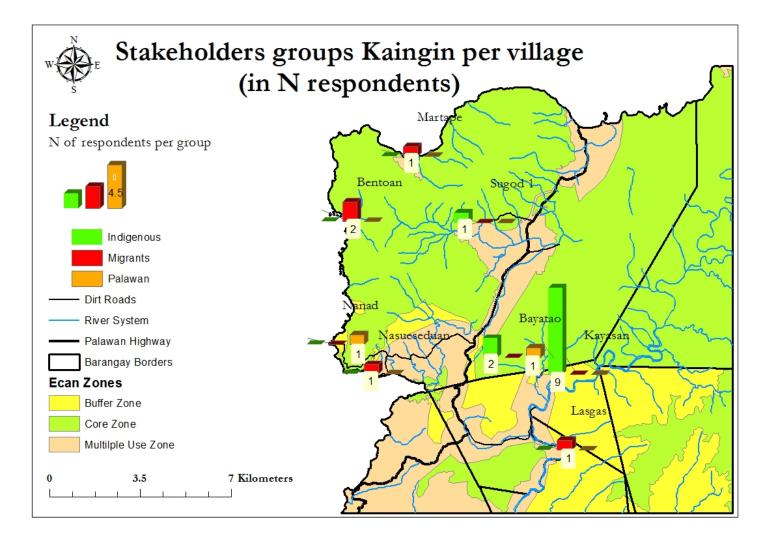
Appendix G: Average Kaingin Area per Zone



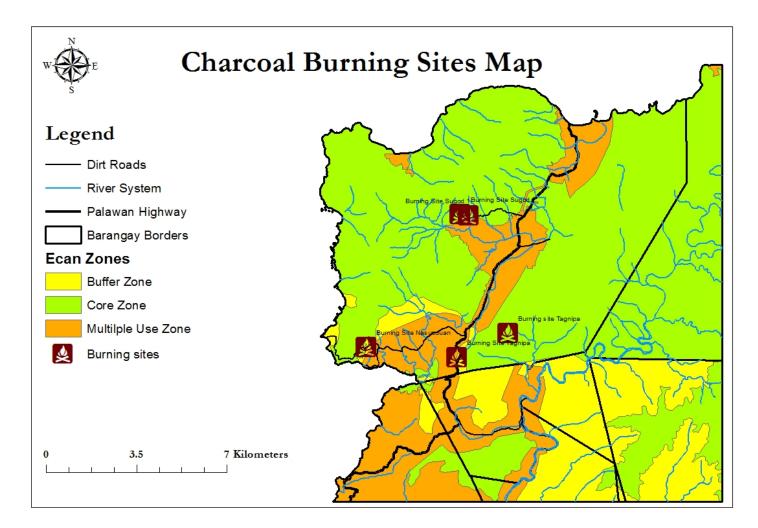
Appendix H: Kaingin Area per Village



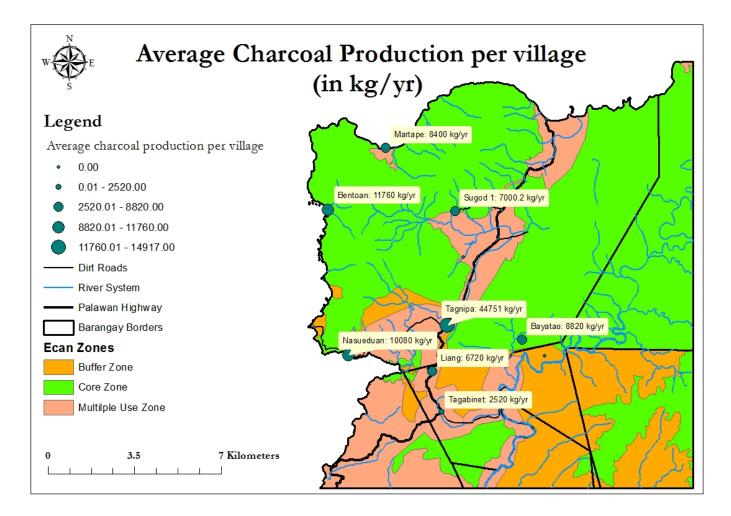
Appendix I: Stakeholders group Kaingin Practices



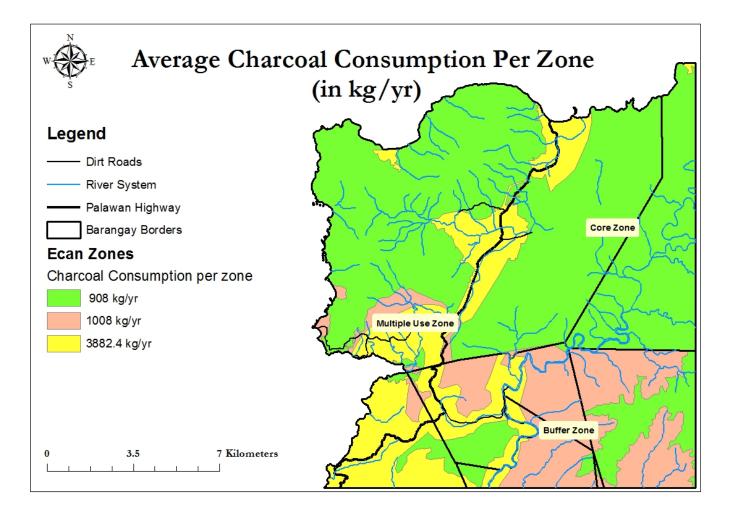
Appendix J: Burning Sites Map



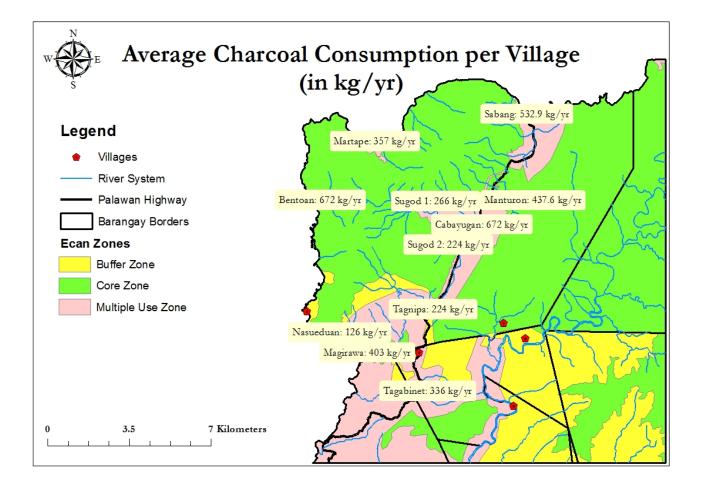
Appendix K: Charcoal-Making per village



Appendix L: Charcoal Consumption Map



Appendix N: Average Charcoal Consumption Per Village



Appendix O: Kaingin Skewness and Kurtosis Test results of the entire land owners population

| | | Statistics |
|-----|------------------------|------------|
| Kai | ngin | |
| 1 | N Valid | 72 |
| | Missing | 0 |
| | Std. Error of Mean | 5.650 |
| | Std. Deviation | 47.943 |
| | Variance | 2298.513 |
| | Skewness | 5.018 |
| | Std. Error of | .283 |
| | Skewness | |
| | Kurtosis | 25.074 |
| | Std. Error of Kurtosis | .559 |
| 2 | N Valid | 24 |
| | Missing | 0 |
| | Std. Error of Mean | 14.781 |
| | Std. Deviation | 72.412 |
| | Variance | 5243.433 |
| | Skewness | 2.013 |
| | Std. Error of | .472 |
| | Skewness | |
| | Kurtosis | 5.174 |
| | Std. Error of Kurtosis | .918 |
| 3 | N Valid | 22 |
| | Missing | 0 |
| | Std. Error of Mean | 28.856 |
| | Std. Deviation | 135.346 |
| | Variance | 18318.452 |
| | Skewness | 2.560 |
| | Std. Error of | .491 |
| | Skewness | |
| | Kurtosis | 6.004 |
| | Std. Error of Kurtosis | .953 |

Statistics

Appendix P: Kaingin Statistics of Kruskal Wallis Test of the entire land owners population

A non-parametric Lavene's test to test Variance Homogeneity

ANOVA

| abs | | | | | |
|----------------|----------------|-----|-------------|---------|------|
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 10194.453 | 2 | 5097.227 | 110.967 | .000 |
| Within Groups | 5282.500 | 115 | 45.935 | | |
| Total | 15476.953 | 117 | | | |

Comparison between zone 1 and zone 2

| Ranks | | | |
|---------|--------|----|-----------|
| - | groups | N | Mean Rank |
| kaingin | 1 | 72 | 43.69 |
| | 2 | 24 | 62.92 |
| | Total | 96 | |

Comparison between zone 2 and zone 3

| - | groups | N | Mean Rank |
|---------|--------|----|-----------|
| kaingin | 2 | 24 | 24.77 |
| | 3 | 22 | 22.11 |
| | Total | 46 | |

Comparison between zone 1 and zone 3

| Ranks |
|-------|
|-------|

| | groups | N | Mean Rank |
|---------|--------|----|-----------|
| kaingin | 1 | 72 | 44.51 |
| | 3 | 22 | 57.30 |
| | Total | 94 | |

Test Statistics^{a,b}

| | kaingin |
|-------------|---------|
| Chi-Square | 22.760 |
| df | 1 |
| Asymp. Sig. | .000 |

a. Kruskal Wallis Testb. Grouping Variable:groups

Test Statistics^{a,b}

| | kaingin |
|-------------|---------|
| Chi-Square | .584 |
| df | 1 |
| Asymp. Sig. | .445 |

a. Kruskal Wallis Test

b. Grouping Variable: groups

Test Statistics^{a,b}

| | kaingin |
|-------------|---------|
| Chi-Square | 12.931 |
| df | 1 |
| Asymp. Sig. | .000 |

a. Kruskal Wallis Test

b. Grouping Variable:

groups

Appendix Q: Kaingin Skewness and Kurtosis test results of the Kaingin owners population

| kaingin | | |
|---------|------------------------|-----------|
| 1 | N Valid | 3 |
| | Missing | 0 |
| | Mean | 233.33 |
| | Median | 200.00 |
| | Std. Deviation | 57.735 |
| | Variance | 3333.333 |
| | Skewness | 1.732 |
| | Std. Error of Skewness | 1.225 |
| 2 | N Valid | 11 |
| | Missing | 0 |
| | Mean | 106.82 |
| | Median | 100.00 |
| | Std. Deviation | 72.535 |
| | Variance | 5261.364 |
| | Skewness | 2.041 |
| | Std. Error of Skewness | .661 |
| | Kurtosis | 5.515 |
| | Std. Error of Kurtosis | 1.279 |
| 3 | N Valid | 7 |
| | Missing | 0 |
| | Mean | 196.43 |
| | Median | 100.00 |
| | Std. Deviation | 182.819 |
| | Variance | 33422.619 |
| | Skewness | 1.048 |
| | Std. Error of Skewness | .794 |
| | Kurtosis | 624 |
| | Std. Error of Kurtosis | 1.587 |

Statistics

Appendix R: Kaingin Statistics of Kruskal Wallis test of the Kaingin owners population

A non-parametric Lavene's test to test Variance Homogeneity

ANOVA

| abs | | | | | |
|----------------|----------------|----|-------------|----------|------|
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 59053.983 | 2 | 29526.991 | 4392.445 | .000 |
| Within Groups | 121.000 | 18 | 6.722 | | |
| Total | 59174.983 | 20 | | | |

Comparison between Zone 1 and 2

| Ranks | | | | |
|--------------------|-------|----|-------|--|
| groups N Mean Rank | | | | |
| kaingin | 1 | 3 | 12.17 | |
| | 2 | 11 | 6.23 | |
| | Total | 14 | | |

Comparison between zone 2 and 3

Ranks

| | groups | Ν | Mean Rank |
|---------|--------|----|-----------|
| kaingin | 2 | 11 | 8.91 |
| | 3 | 7 | 10.43 |
| | Total | 18 | |

Comparison between zone 1 and 3

Ranks

| | groups | N | Mean Rank |
|---------|--------|----|-----------|
| kaingin | 1 | 3 | 6.67 |
| | 3 | 7 | 5.00 |
| | Total | 10 | |

Test Statistics^{a,b}

| | kaingin |
|-------------|---------|
| Chi-Square | 5.185 |
| df | 1 |
| Asymp. Sig. | .023 |

a. Kruskal Wallis Test

b. Grouping Variable:

Test Statistics^{a,b}

| | kaingin |
|-------------|---------|
| Chi-Square | .372 |
| df | 1 |
| Asymp. Sig. | .542 |

a. Kruskal Wallis Test

b. Grouping Variable:

groups

Test Statistics^{a,b}

| | kaingin | |
|-------------|---------|--|
| Chi-Square | .656 | |
| df | 1 | |
| Asymp. Sig. | .418 | |

a. Kruskal Wallis Test

b. Grouping Variable:

groups

Appendix S: Charcoal consumption Skewness and Kurtosis test results of the entire village population

Statistics

Appendix

charcoal

| charcoa | | |
|---------|------------------------|---------|
| 1 | N Valid | 72 |
| | Missing | 0 |
| | Std. Error of Mean | .42530 |
| | Std. Deviation | 3.60875 |
| | Variance | 13.023 |
| | Skewness | 2.382 |
| | Std. Error of Skewness | .283 |
| | Kurtosis | 7.652 |
| | Std. Error of Kurtosis | .559 |
| 2 | N Valid | 20 |
| | Missing | 0 |
| | Std. Error of Mean | .48990 |
| | Std. Deviation | 2.19089 |
| | Variance | 4.800 |
| | Skewness | 1.986 |
| | Std. Error of Skewness | .512 |
| | Kurtosis | 3.836 |
| | Std. Error of Kurtosis | .992 |
| 3 | N Valid | 20 |
| | Missing | 0 |
| | Std. Error of Mean | .48297 |
| | Std. Deviation | 2.15989 |
| | Variance | 4.665 |
| | Skewness | 2.054 |
| | Std. Error of Skewness | .512 |
| | Kurtosis | 4.274 |
| | Std. Error of Kurtosis | .992 |

Appendix T: Charcoal Consumption Statistics of Kruskal Wallis Test of the entire village population

A non-parametric Lavene's test to test Variance Homogeneity

ANOVA

| abs | | | | | | |
|----------------|----------------|-----|-------------|--------|------|--|
| | Sum of Squares | df | Mean Square | F | Sig. | |
| Between Groups | 16060.008 | 2 | 8030.004 | 32.041 | .000 | |
| Within Groups | 27317.500 | 109 | 250.619 | | | |
| Total | 43377.508 | 111 | | | | |

Comparison between zone 1 and zone 2

| Ranks | | | |
|----------|-------|----|-----------|
| | zones | N | Mean Rank |
| charcoal | 1 | 72 | 48.23 |
| | 2 | 20 | 40.28 |
| | Total | 92 | |

Comparison between zone 2 and zone

| Ranks | | | |
|----------|-------|----|-----------|
| | zones | N | Mean Rank |
| charcoal | 2 | 20 | 20.58 |
| | 3 | 20 | 20.43 |
| | Total | 40 | |

Comparison between zone 1 and zone 3

| Ranks | | | |
|----------|-------|----|-----------|
| | zones | N | Mean Rank |
| charcoal | 1 | 72 | 48.29 |
| | 3 | 20 | 40.05 |
| | Total | 92 | |

Test Statistics^{a,b}

| | charcoal |
|-------------|----------|
| Chi-Square | 1.701 |
| df | 1 |
| Asymp. Sig. | .192 |

a. Kruskal Wallis Test

b. Grouping Variable:

Test Statistics^{a,b}

| | charcoal |
|-------------|----------|
| Chi-Square | .003 |
| df | 1 |
| Asymp. Sig. | .960 |

a. Kruskal Wallis Test

b. Grouping Variable:

zones

Test Statistics^{a,b}

| | charcoal |
|-------------|----------|
| Chi-Square | 1.825 |
| df | 1 |
| Asymp. Sig. | .177 |

a. Kruskal Wallis Test

b. Grouping Variable:

zones

Appendix U: Charcoal consumption Skewness and Kurtosis test results of the Charcoal Consumers population

| charcoa | <u>l</u> | | |
|---------|----------|----------------|---------|
| 1 | Ν | Valid | 34 |
| | | Missing | 0 |
| | Mean | | 4.6512 |
| | Median | | 4.0000 |
| | Std. Dev | viation | 4.03183 |
| | Varianc | e | 16.256 |
| | Skewne | SS | 1.807 |
| | Std. Err | or of Skewness | .403 |
| | Kurtosis | 5 | 5.193 |
| | Std. Err | or of Kurtosis | .788 |
| 2 | Ν | Valid | 6 |
| | | Missing | 0 |
| | Mean | | 4.0000 |
| | Median | | 4.0000 |
| | Std. Dev | viation | 2.19089 |
| | Varianc | e | 4.800 |
| | Skewne | SS | 1.369 |
| | Std. Err | or of Skewness | .845 |
| | Kurtosis | | 2.500 |
| | | or of Kurtosis | 1.741 |
| 3 | Ν | Valid | 6 |
| | | Missing | 0 |
| | Mean | | 3.9167 |
| | Median | | 3.7500 |
| | Std. Dev | viation | 2.20038 |
| | Varianc | e | 4.842 |
| | Skewne | SS | 1.519 |
| | Std. Err | or of Skewness | .845 |
| | Kurtosis | 6 | 2.859 |
| | Std. Err | or of Kurtosis | 1.741 |

Appendix V: Charcoal Consumption Statistics of Kruskal Wallis Test of of the Charcoal Consumers population

A non-parametric Lavene's test to test Variance Homogeneity

ANOVA

| abs | | | | | |
|----------------|----------------|----|-------------|--------|------|
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 1282.163 | 2 | 641.082 | 10.019 | .000 |
| Within Groups | 2751.423 | 43 | 63.987 | | |
| Total | 4033.586 | 45 | | | |

Comparison between Zone 1 and Zone 2

| Ranks | | | |
|----------|-------|----|-----------|
| | zones | N | Mean Rank |
| charcoal | 1 | 34 | 20.51 |
| | 2 | 6 | 20.42 |
| | Total | 40 | |

Comparison between Zone 2 and Zone 3

| Ranks | | | |
|----------|-------|----|-----------|
| | zones | N | Mean Rank |
| charcoal | 2 | 6 | 6.75 |
| | 3 | 6 | 6.25 |
| | Total | 12 | |

Comparison between Zone 1 and Zone 3

| Ranks | | | |
|----------|-------|----|-----------|
| | zones | Ν | Mean Rank |
| charcoal | 1 | 34 | 20.65 |
| | 3 | 6 | 19.67 |
| | Total | 40 | |

Test Statistics^{a,b}

| | charcoal |
|-------------|----------|
| Chi-Square | .000 |
| df | 1 |
| Asymp. Sig. | .985 |

a. Kruskal Wallis Test

b. Grouping Variable:

zones

Test Statistics^{a,b}

| | charcoal |
|-------------|----------|
| Chi-Square | .065 |
| df | 1 |
| Asymp. Sig. | .799 |

a. Kruskal Wallis Test

b. Grouping Variable:

zones

Test Statistics^{a,b}

| | charcoal |
|-------------|----------|
| Chi-Square | .037 |
| df | 1 |
| Asymp. Sig. | .848 |

a. Kruskal Wallis Testb. Grouping Variable:zones

Appendix W: Budget Plan

| Budget Plan Fieldwork North West Puerto Princesa | | | | |
|--|------------------|---|--------|---------|
| | | | | |
| Staff | Assistant | 3 | 10,000 | 30,000 |
| | GPS expert | 3 | 2,500 | 7,500 |
| | | | | |
| | | | | |
| Equipment | GPS | 2 | 5,000 | 10,000 |
| | Camera | 1 | 8,000 | 8,000 |
| | Binoculars | 1 | 4,000 | 4,000 |
| | Desktop | 1 | 15,000 | 15,000 |
| | Tent | 1 | 5,000 | 5,000 |
| | Other | 1 | 20,000 | 20,000 |
| | | | | |
| | | | | |
| Fieldwork | Travel | 1 | 6,000 | 6,000 |
| | Motorbike rental | 1 | 10,000 | 10,000 |
| | Gasoline | 1 | 6,000 | 6,000 |
| | food | 1 | 15,000 | 15,000 |
| | Other | 1 | 10,000 | 10,000 |
| | Subtotal | | | 146,500 |

Appendix X: Time schedule

| Date | Activity | Description | Duration |
|----------------------|-----------------------------------|---|----------|
| January/February | Thesis Application | To sent an application letter towards host companies which are concerned with subject | 1 week |
| February/ March 2011 | Literature Research | Formation of study subject, research on relevant reports | 1 week |
| March 2011 | Preparation Proposal | Defining Objectives, Research Questions, Methods, Expected Results | 2 weeks |
| March 2011 | Preparation for the field-work | Preparing travel equipment, adjusting contacts with host company, arrangement of necessary field equipment, look for possible funding schemes e.g. | 4 weeks |
| April-July 2012 | Implementation Research | Collection of data, Data entry, monitoring of the project, feedback to the Larenstein/Supervisor | 3 months |
| July-August 2012 | Data analysis | Analyze the data with statistics, present the results, formulate conclusions & discussions with additional recommendations | 2 months |
| September 2012 | Research presentation | Construct a sufficient report, Prepare a presentation with the research process, elevate the research with Larenstein | 2 months |