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APPENDIX A

RESEARCH QUESTIONER



DISSERTATION QUESTIONNAIRE SURVEY

TITLE:

EFFORT, FACTOR AND IMPACT OF MINANGKABAU LANGUAGE MAINTENANCE IN JAKARTA: A MODEL FOR LANGUAGE MAINTENANCE



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**POSTGRADUATE PROGRAM
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Dear Sir/Madam and all Minang community,

I am currently pursuing a doctoral degree at Hasanuddin University, Makassar. This questionnaire is designed and distributed for Minang community in Jakarta to draw primary data on efforts, factors and impacts of Minangkabau language retention in Jakarta. The result of this questionnaire would be used as a research material for my dissertation entitled **Efforts, Factors And Impacts of Minangkabau Language Maintenance In Jakarta: A Model Language Maintenance**

I would be extremely grateful if you could complete this questionnaire.

Questionnaire number..... (leave it blank)

DEMOGRAPHIC DATA

1. Sex : (M / F)*
2. Age distribution of respondents :
 - a. under 20 years
 - b. 21 - 35 years
 - c. 36 - 45 years
 - d. 46 - 55 years
 - e. 56 - 65 years
3. Education*
 - a. Never went to school
 - b. Elementary or junior high school
 - c. Senior High School
 - d. Undergraduate
 - e. Master or Doctorate
4. Occupation* :
 - a. Student

Merchant
Employee



- d. Civil servant
- e. Others
- 5. Has been living in Jakarta for :years months
- 6. Birthplace :
- 7. Address : (South Jakarta / North Jakarta / West Jakarta / East Jakarta / Central Jakarta)*
- 8. Hometown in West Sumatera :

*Circle the correct answer

A. Language Maintenance Efforts

In this section, you are asked to assess the efforts made in preserving the use of Minangkabau Language while in Jakarta. Efforts to maintain the language are described as efforts, endeavors, intentions, collective thoughts, habits, attitudes and patterns of community behavior. You are asked **to give a cross (X) to the number box between 1 and 7** which is the closest to the actual condition. The number scale shows how close the answers are to the two available choices.

← Bad and worse in preserving the language

Good and better in preserving the language →

Efforts made	Scale to Describe the Language Retention						
	1	2	3	4	5	6	7
1. You believe that the use of the Minangkabau Language can last a long time							
2. You use the Minangkabau language by adjusting to certain condition and situation							
3. You bring a message to use Minangkabau language overseas							
4. You consider that using the Minangkabau language overseas is very important							
5. You have strong will to use the Minangkabau language oftenly							



Efforts made	Scale to Describe the Language Retention						
	1	2	3	4	5	6	7
6. You try to introduce and use Minangkabau language on religious activities, family gatherings and social gatherings							
7. You use Minangkabau language in conversation							
8. Your family members support you to use Minangkabau language							
9. You try to teach your children to use Minangkabau language in daily conversation							
10. You help your children to learn Minangkabau language faster							
11. The situation in your schools supports you to use Minangkabau language							
12. The situation in your workplaces supports you to use Minangkabau language							
13. The situation in your neighborhood supports you to use Minangkabau language							
14. The situation in your community supports you to use Minangkabau language							

B. Contributing Factors on Language Maintenance (The Usage of Language)

In this part, you are asked to assess factors needed in Minangkabau language Maintenance while in Jakarta. Language Maintenance factors are described as condition, norms, collective thoughts, habits, and patterns of community behavior. You are asked **to give a cross (X) to the number box between 1 and 7** which is the closest to the actual condition. The number scale shows how close the answers are to the two available choices.

← Bad and worse in preserving the language	Good and better in preserving the language →
--	--

Factors Needed	Scale to Describe the Language Retention						
	1	2	3	4	5	6	7
1. You try to use Minangkabau language as your first tongue that must be preserved							



← Bad and worse in preserving the language

Good and better in preserving the language →

Factors Needed	Scale to Describe the Language Retention						
	1	2	3	4	5	6	7
16. You teach your children Minangkabau language since childhood politely and properly							
17. Family can be a factor in preserving the use of Minangkabau language							
18. Community can be a supporting factor to use the Minangkabau language							
19. You still use the Minangkabau language, eventhough you move to different place							
20. Economic factor can be supporting factor in using the Minangkabau language							
21. You require your children to marry Minangkabaunese							
22. Marriage with other ethnic / ethnic groups can be used to expand the use of the Minangkabau language							
23. Self-confidence is one of the factors that makes families use the Minangkabau language							
24. The government supports the maintenance (use) of the Minangkabau Language through tourism							
25. The government supports the maintenance (use) of the Minangkabau Language through art and culture							

C. Impacts of Language Maintenance

In this part, you are asked to assess impacts of Minangkabau language Maintenance while in Jakarta. Language Maintenance impacts are described as forms, influence, impacts, positive and negative deeds, change factors, value habits, and behavior. You are asked **to give a cross (X) to the number box between 1 and 7** which is the closest to the actual condition. The number scale close the answers are to the two available choices.



← Bad and worse in preserving the language

Good and better in preserving the language →

Impacts	Scale to Describe the Language Retention						
	1	2	3	4	5	6	7
26. You often carry out activities with extended families to reduce the risk of extinction in the Minangkabau Language							
27. You feel carried away when listening to Minangkabau language conversations anywhere							
28. You haven't done enough effort to preserve the use of Minangkabau language							
29. You also use other languages and have little impact on the use of the Minangkabau Language							
30. Organizing various activities at the community has an impact on the retention (use) of the Minangkabau Language							
31. Cultural socialization can be used as a way to preserve the use of Minangkabau Language							
32. Minang communities are increasing and developing							
33. You are proud to use the Minangkabau language because it is your native language							
34. You can feel the motivation and impact of using the Minangkabau language in your work environment							
35. You can feel the motivation and impact of using the Minangkabau language in your neighborhood							
36. You can feel the motivation and impact of using the Minangkabau language in your social community							



D. Language Maintenance

In this part, you are asked to assess Minangkabau Language Maintenance while in Jakarta. Language Maintenance are described as the use, characteristics/models/condition, norms, value, teaching, habituation, attitude and pattern of community behavior of the language. You are asked **to give a cross (X) to the number box between 1 and 7** which is the closest to the actual condition. The number scale shows how close the answers are to the two available choices.

← Bad and worse in preserving the language

Good and better in preserving the language →

Language Retention	Scale to Describe the Language Retention						
	1	2	3	4	5	6	7
37. You always try to use Minangkabau language in conversation							
38. You always try to show that you are Minangese							
39. You preserve Minangkabau literature							
40. There are still many Minangese overseas who use Minangkabau language							
41. You are proud when Minangkabau language is used in movies							
42. You are proud that there are many Minangkabau language teachings that can be learned through technology application							
43. Minangkabau Language Maintenance can be done through singing							
44. Minangkabau Language Maintenance can be done through praying							
45. You are a member of a Minang community							
46. Your neighborhood supports you to use Minangkabau language							
47. You teach Minangkabau language informally in your neighborhood							

Thank you for the help and cooperation that you have given.



APPENDIX B
RESULT DATA OF QUESIONER RESEARCH



Effort Variable Data

No.	Effort1	Effort2	Effort3	Effort4	Effort5	Effort6	Effort7	Effort8	Effort9	Effort10	Effort11	Effort12	Effort13	Effort14
1	4	6	3	6	4	6	4	6	7	4	2	6	2	7
2	7	7	7	4	7	7	7	7	6	5	5	2	2	7
3	6	6	6	6	7	6	5	7	6	5	5	4	5	5
4	6	6	6	6	7	6	5	7	6	5	5	4	5	5
5	6	6	6	5	6	5	5	5	5	3	2	5	2	6
6	7	6	6	7	7	6	7	7	6	7	5	5	7	5
7	7	6	1	1	1	7	1	6	2	1	2	2	1	2
8	6	5	6	7	6	6	7	6	5	6	4	5	4	6
9	7	7	6	6	6	7	6	7	7	6	6	5	6	4
10	6	5	6	7	7	6	7	7	6	7	5	4	5	4
11	7	7	7	7	7	7	7	7	7	6	7	7	7	7
12	7	7	5	7	7	6	7	7	7	7	7	5	7	7
13	7	7	7	7	7	7	7	7	7	7	7	5	5	7
14	7	7	7	7	7	7	7	7	7	7	2	6	7	7
15	7	7	6	6	7	7	7	7	7	7	7	7	6	7
16	7	6	4	7	7	7	7	7	1	2	7	1	1	4
17	6	6	6	5	4	6	6	6	4	4	4	4	4	6
18	4	4	4	6	6	6	4	6	4	3	3	2	2	6
19	4	6	5	3	6	5	6	6	6	3	3	3	3	3
20	7	5	6	4	5	6	5	6	3	4	2	2	3	3
21	5	7	7	6	5	7	7	5	5	5	7	1	1	1
22	6	6	7	5	6	7	6	6	7	6	6	2	2	1
23	7	6	6	7	6	6	6	7	7	6	7	2	1	1
24	7	6	6	7	5	7	6	5	7	6	5	2	2	2
25	5	5	3	3	5	4	6	6	5	4	5	4	4	4
26	6	7	6	5	4	7	5	5	6	6	7	1	2	3
27	5	6	5	3	6	5	5	5	4	3	5	6	3	4
28	6	6	6	5	5	6	7	6	5	6	7	2	3	1
29	5	5	5	5	5	5	5	5	5	5	5	5	5	5
30	6	7	6	5	4	7	5	5	5	7	6	1	2	3
31	7	7	7	7	7	6	7	7	7	5	4	4	5	6
32	7	7	7	7	6	7	5	6	5	4	5	3	4	7
33	7	7	7	7	7	7	7	7	7	7	7	7	7	7
34	6	7	7	7	7	7	7	7	7	5	5	6	5	5
35	7	6	7	7	7	7	7	7	7	4	5	5	5	6
36	7	7	7	7	7	7	7	7	7	7	7	7	7	7
37	7	7	7	7	7	7	7	7	7	7	7	7	7	7
38	7	7	7	7	7	7	7	7	7	7	7	7	7	7
39	7	7	7	7	7	7	7	7	7	7	7	7	7	7
40	7	7	7	7	7	7	7	7	7	7	7	7	6	7
41	5	6	5	7	7	5	4	5	3	5	6	3	3	4
42	7	6	6	7	6	7	5	6	5	4	5	2	4	5
43	7	7	7	7	7	7	7	7	7	4	5	7	7	6
44	7	7	7	7	7	5	6	7	7	5	6	3	2	5
45	7	7	7	7	7	4	3	7	7	5	6	3	5	6
46	7	7	6	7	6	7	7	7	7	6	6	7	7	7
47	7	7	7	7	7	7	7	7	7	6	6	6	7	7
48	7	7	7	7	7	7	6	7	7	6	6	5	6	6
49	7	7	7	7	7	7	7	7	7	7	6	7	7	7
50	7	7	7	7	7	7	7	7	7	7	7	7	7	7



No.	Effort1	Effort2	Effort3	Effort4	Effort5	Effort6	Effort7	Effort8	Effort9	Effort10	Effort11	Effort12	Effort13	Effort14
51	7	6	7	6	7	7	7	7	7	6	6	7	7	7
52	7	7	6	7	6	6	6	7	7	5	7	7	7	7
53	7	7	7	7	7	7	7	7	7	6	7	7	7	7
54	7	7	7	7	7	7	7	7	7	7	6	7	7	7
55	7	7	7	7	6	7	5	7	7	5	6	7	7	7
56	7	7	7	7	7	7	7	7	7	5	6	4	6	7
57	7	7	7	7	7	7	7	7	7	6	4	5	5	6
58	7	7	7	7	7	7	7	7	7	4	3	4	5	7
59	7	6	7	7	6	7	7	7	7	7	7	7	7	7
60	7	7	7	7	7	7	7	7	7	7	7	7	7	7
61	5	7	7	4	5	7	7	7	7	3	3	3	4	7
62	6	6	7	7	7	7	7	7	7	5	5	6	6	7
63	5	6	7	7	7	5	6	7	7	7	5	5	5	5
64	6	6	7	7	7	6	6	7	7	7	5	5	5	6
65	7	7	5	7	7	4	7	7	5	5	1	1	1	5
66	6	7	1	7	7	6	2	7	7	1	1	1	1	1
67	7	6	7	7	7	6	6	7	7	5	4	6	7	3
68	7	7	7	6	6	6	7	7	7	4	4	5	3	3
69	7	7	5	7	7	6	7	7	7	5	3	4	5	6
70	6	6	4	6	7	7	7	7	7	5	3	3	4	6
71	7	6	7	6	6	7	7	7	7	4	4	6	3	3
72	7	7	7	7	7	5	6	7	6	4	2	2	2	7
73	6	6	7	6	7	7	3	7	7	4	2	2	4	6
74	7	7	7	7	7	7	7	7	7	6	7	6	6	6
75	7	7	7	7	7	7	7	7	7	7	7	7	7	7
76	7	7	7	4	7	7	7	7	6	4	4	1	1	7
77	7	6	2	3	5	5	5	5	6	5	4	3	3	3
78	7	6	2	2	3	3	4	5	6	4	3	2	2	2
79	6	6	4	4	5	5	6	3	3	4	4	4	6	6
80	4	6	4	4	4	5	3	6	5	4	2	2	4	6
81	6	6	2	5	5	5	5	6	5	5	5	5	5	5
82	7	7	7	7	7	6	6	7	7	7	7	5	6	6
83	7	7	7	6	7	7	7	7	7	7	7	6	6	6
84	6	6	4	5	5	4	3	5	4	4	5	5	7	7
85	4	5	4	6	6	7	6	6	4	3	1	1	3	6
86	7	6	6	7	7	7	7	7	7	6	5	7	5	6
87	7	7	6	7	6	7	7	7	7	6	6	7	7	6
88	3	4	3	3	7	3	3	3	5	7	5	4	5	6
89	5	7	6	6	7	5	7	7	7	7	5	5	6	7
90	7	7	2	6	7	1	6	7	4	4	1	1	7	1
91	7	7	1	6	7	1	6	7	4	4	1	1	7	1
92	7	7	7	7	6	7	7	7	7	7	7	4	6	6
93	7	7	7	7	7	7	7	7	7	7	7	6	6	6
94	7	7	7	6	7	7	7	6	7	7	7	6	6	6
95	7	5	4	4	4	4	4	5	6	5	2	6	6	6
96	7	7	7	7	7	7	7	7	7	7	5	3	5	7
97	7	6	7	6	7	4	7	7	6	6	5	4	7	7
98	6	5	2	6	5	5	2	7	4	4	2	2	1	1
		7	2	7	7	7	6	6	6	7	5	2	7	4
		6	7	6	6	5	5	7	6	6	5	5	5	5



No.	Effort1	Effort2	Effort3	Effort4	Effort5	Effort6	Effort7	Effort8	Effort9	Effort10	Effort11	Effort12	Effort13	Effort14
101	7	7	7	7	6	6	6	6	5	6	1	1	3	5
102	4	6	6	3	5	2	4	7	6	4	2	2	2	3
103	4	7	3	4	7	7	7	5	6	2	3	5	4	6
104	3	7	5	3	4	6	7	7	7	6	1	1	3	4
105	6	6	3	5	6	5	6	6	6	5	6	6	6	5
106	6	6	5	5	5	4	5	5	5	5	5	5	5	6
107	5	6	7	5	5	6	5	7	5	4	3	3	7	7
108	7	6	7	6	6	6	7	6	6	6	6	6	6	6
109	6	6	5	6	7	4	7	7	5	5	4	4	6	6
110	5	6	5	6	6	5	7	7	6	6	7	5	6	6
111	7	5	6	7	7	6	6	7	7	7	7	6	7	7
112	6	6	6	7	7	6	6	7	6	6	6	6	6	7
113	7	7	7	7	7	5	7	7	7	7	5	5	5	5
114	4	5	2	5	5	2	2	3	2	3	2	2	3	5
115	4	7	5	4	6	5	6	7	2	3	1	5	6	6
116	7	5	4	6	5	7	4	6	2	4	5	3	2	1
117	5	6	2	4	5	4	3	7	6	7	5	5	6	5
118	7	7	4	4	6	4	4	5	3	6	3	2	4	4
119	7	6	5	3	7	7	4	7	7	6	3	4	4	7
120	7	6	5	5	7	6	5	6	7	7	6	5	6	5
121	7	7	7	7	7	5	7	7	7	7	7	3	2	3
122		5	6	5	5	7	7	7	7	6	6	4	4	4
123	7	6	5	6	7	7	7	7	7	4	3	3	4	5
124	7	7	1	1	4	4	1	1	1	1	1	1	1	1
125	6	3	7	7	7	7	7	7	7	6	3	2	3	6
126	4	5	5	6	4	5	4	5	4	4	3	2	2	6
127	5	6	5	4	5	5	6	6	5	5	5	4	7	6
128	7	7	3	3	6	6	5	7	7	7	7	7	7	7
129	5	6	4	4	4	4	4	5	4	5	4	4	5	5
130	5	7	2	3	5	2	6	5	1	3	1	2	3	7
131	3	5	3	5	7	4	7	7	6	5	6	5	7	7
132	7	7	2	1	7	7	7	7	7	7	5	3	3	1
133	6	7	6	7	7	6	6	7	5	6	6	5	6	6
134	7	7	5	6	7	5	7	7	7	6	5	5	6	6
135	7	7	3	2	4	5	6	5	4	6	7	4	5	3
136	7	4	3	2	7	7	7	7	7	6	7	6	7	7
137	5	6	5	6	6	7	7	7	7	6	5	5	5	5
138	7	6	6	7	7	7	7	7	5	7	6	7	7	7
139	6	5	3	5	6	6	7	5	4	5	3	3	4	5
140	5	4	5	5	5	5	5	7	6	4	3	4	5	5
141	6	6	7	7	6	6	7	7	7	6	6	6	7	7
		6	7	7	7	7	6	7	7	6	6	6	7	7
		7	5	4	7	3	7	7	4	5	3	4	6	5
		7	3	3	6	6	5	7	7	7	7	7	7	7



Factor Variable Data

No.	Factor15	Factor16	Factor17	Factor18	Factor19	Factor20	Factor21	Factor22	Factor23	Factor24	Factor25
1	3	6	6	2	6	3	2	5	4	3	4
2	7	5	6	5	4	1	1	1	2	6	6
3	7	6	6	7	6	6	6	6	4	7	6
4	7	6	6	7	6	6	6	6	4	7	6
5	5	5	6	2	5	2	2	4	6	3	3
6	6	7	6	7	6	5	6	6	5	5	7
7	1	1	1	3	7	7	1	3	7	1	1
8	6	6	7	5	7	5	7	7	6	6	7
9	6	7	7	4	6	6	3	7	1	7	7
10	7	7	7	5	6	4	1	7	4	6	7
11	7	7	7	7	7	7	6	7	7	7	7
12	7	7	7	7	7	2	4	7	1	7	7
13	7	7	7	4	7	7	5	7	1	7	7
14	7	6	7	7	7	3	3	7	1	7	7
15	7	7	7	7	7	7	7	7	1	7	7
16	7	5	7	7	7	7	4	6	1	3	6
17	6	5	6	7	6	5	6	6	6	6	6
18	5	4	5	1	5	2	1	6	7	3	3
19	3	5	5	5	2	2	2	2	2	6	6
20	5	5	5	7	4	4	6	5	4	6	6
21	5	6	6	1	5	5	1	7	3	6	6
22	6	5	7	2	6	6	2	6	4	7	7
23	6	7	5	2	6	6	2	6	2	7	5
24	6	7	5	2	6	5	3	7	3	6	5
25	6	6	5	5	5	5	5	5	5	4	4
26	5	6	7	2	5	6	2	6	2	5	6
27	5	6	6	5	3	4	4	3	4	5	4
28	6	7	7	2	6	7	2	6	6	7	5
29	5	5	5	5	5	5	5	5	5	5	5
30	5	6	7	2	5	6	2	6	2	5	6
31	7	7	7	7	7	3	7	3	7	7	7
32	7	4	6	3	5	3	7	7	5	7	7
33	7	7	7	7	7	2	2	7	7	7	7
34	6	5	7	7	7	7	7	5	4	5	7
35	7	5	6	6	6	6	6	5	4	4	5
36	7	7	7	7	7	7	7	7	7	7	7
37	7	7	7	7	7	7	7	7	7	7	7
38	7	7	7	7	7	7	7	7	7	7	7
39	7	7	7	7	6	7	7	7	7	7	7
40	7	7	7	7	7	7	5	6	7	7	7
41	7	7	7	4	7	2	5	7	5	6	7
42	7	7	7	5	6	3	2	6	4	7	6
43	7	7	7	7	7	2	2	7	7	7	7
44	7	7	6	7	7	5	2	7	6	7	7
45	7	7	7	7	7	7	5	7	6	7	7
46	6	7	6	7	7	6	7	6	6	7	7
47	7	7	7	7	7	7	7	6	7	6	7
		6	7	6	7	7	7	6	6	7	7
		7	7	7	7	7	7	7	6	7	7
		7	7	7	7	7	7	7	7	7	7



No.	Factor15	Factor16	Factor17	Factor18	Factor19	Factor20	Factor21	Factor22	Factor23	Factor24	Factor25
51	7	6	7	7	6	7	7	7	6	5	5
52	6	7	7	7	7	7	7	6	5	6	6
53	7	7	7	7	7	7	7	6	5	6	6
54	7	7	7	6	6	6	5	7	7	6	7
55	6	7	7	6	7	6	7	7	7	6	6
56	7	7	7	6	7	7	6	7	5	6	7
57	7	7	7	6	7	7	7	6	7	6	6
58	7	7	7	7	7	7	7	7	3	5	5
59	7	7	7	7	7	7	7	7	7	7	7
60	7	7	7	7	7	7	7	7	7	7	7
61	7	1	7	2	6	4	7	7	7	7	7
62	7	7	7	7	7	5	5	6	4	6	7
63	7	7	7	7	7	5	4	4	1	6	5
64	7	7	7	7	7	4	4	5	1	6	6
65	7	5	7	5	7	5	1	5	1	7	7
66	7	7	7	7	7	7	1	2	1	7	7
67	7	6	7	7	7	6	2	6	5	7	7
68	7	7	7	6	7	4	1	7	3	7	7
69	6	7	6	7	7	6	4	7	7	7	7
70	5	4	6	3	6	4	5	5	3	5	6
71	6	6	7	7	7	2	3	7	2	6	6
72	7	7	7	7	7	7	1	5	1	7	7
73	5	5	5	3	6	7	2	4	6	5	7
74	7	6	7	7	7	6	7	6	5	6	6
75	7	7	7	7	7	7	7	7	7	7	7
76	7	6	6	6	3	1	1	1	2	7	7
77	6	3	7	7	3	5	3	3	2	6	7
78	7	2	7	6	3	4	2	2	1	7	7
79	6	6	5	5	4	2	2	3	3	4	4
80	4	4	5	5	4	4	2	6	6	5	6
81	6	5	5	2	5	2	2	5	2	5	6
82	7	7	7	6	7	1	4	4	1	6	7
83	7	7	6	6	6	5	3	6	2	6	6
84	7	7	7	7	6	4	4	7	3	7	7
85	6	2	4	5	6	4	4	5	5	5	5
86	5	7	7	7	7	7	5	6	2	7	7
87	4	6	7	6	7	6	7	4	6	7	6
88	4	4	5	4	5	5	5	4	6	4	5
89	7	6	6	7	7	6	5	7	4	6	6
90	7	4	7	7	7	1	3	4	1	6	6
91	7	4	7	7	7	1	3	4	1	6	6
92	7	5	7	7	7	3	5	4	1	6	6
93	7	7	6	6	6	6	7	5	1	6	6
94	7	7	6	6	7	6	7	4	1	6	6
95	7	5	5	4	6	6	7	6	1	7	6
96	7	4	7	7	4	7	5	5	1	4	5
97	5	5	7	7	4	6	4	6	7	7	7
		4	7	7	4	2	1	6	6	7	7
		7	7	7	5	5	1	7	6	6	6
		6	7	6	6	3	1	6	1	7	7



No.	Factor15	Factor16	Factor17	Factor18	Factor19	Factor20	Factor21	Factor22	Factor23	Factor24	Factor25
101	6	6	7	3	6	3	3	5	1	1	6
102	5	4	5	4	5	2	1	6	6	6	6
103	7	4	7	7	4	1	1	3	7	4	7
104	5	6	7	7	6	1	4	6	7	7	7
105	6	6	6	6	5	5	4	5	5	5	5
106	6	5	7	6	4	5	5	6	6	5	5
107	7	4	6	7	4	5	4	5	6	5	6
108	6	6	6	6	7	3	1	4	6	6	6
109	7	7	7	7	6	4	5	6	6	5	5
110	6	4	7	6	5	4	7	4	2	5	6
111	7	7	7	6	7	7	7	7	2	6	7
112	7	6	6	6	6	6	4	6	5	6	6
113	7	7	7	7	7	7	7	7	1	5	6
114	4	3	3	4	2	3	2	5	2	3	4
115	7	3	6	7	5	1	4	7	3	4	7
116	5	7	3	1	4	1	3	7	6	2	4
117	7	7	7	7	5	2	1	4	5	6	7
118	7	6	7	7	5	3	3	7	5	5	7
119	6	7	7	6	4	1	1	7	5	6	7
120	5	7	5	4	4	4	7	5	6	4	4
121	7	7	7	7	7	2	7	7	6	7	7
122	7	6	7	7	5	5	5	6	2	5	5
123	7	5	7		5	6	3	4	3	4	5
124	4	2	7	7	3	1	1	1	1	7	7
125	7	5	7	5	7	1	1	7	1	3	5
126	4	3	4	5	5	2	2	5	3	3	2
127	5	6	7	7	5	5	1	5	6	6	6
128	7	7	7	7	7	1	1	6	1	4	4
129	6	6	7	7	6	4	3	3	4	5	6
130	4	3	7	5	1	1	1	2	1	2	2
131	6	5	5	4	3	1	7	6	3	7	7
132	7	7	7	7	3	4	1	4	5	7	7
133	7	6	6	7	6	5	1	4	5	7	7
134	7	7	6	7	7	6	4	5	4	2	6
135	5	7	5	6	6	1	1	5	1	6	7
136	7	7	7	7	4	1	1	6	1	7	7
137	5	6	7	6	6	6	4	6	4	6	6
138	7	6	7	6	7	6	6	7	6	7	7
139	6	5	7	6	4	4	3	6	4	6	6
140	6	5	7	6	7	6	4	7	4	7	7
141	7	7	6	6	7	6	6	6	3	6	7
142	7	7	7	7	7	6	6	7	5	7	7
		5	6	7	4	2	6	6	5	4	6
		5	7	6	7	6	4	7	4	7	7



Impact Variable Data

No.	Impact26	Impact27	Impact28	Impact29	Impact30	Impact31	Impact32	Impact33	Impact34	Impact35	Impact36
1	6	6	5	6	6	3	6	3	3	2	7
2	6	5	7	5	6	7	6	3	4	3	4
3	5	7	7	6	7	7	6	6	6	6	6
4	5	7	7	6	7	7	6	6	6	6	6
5	6	6	6	7	7	3	6	3	3	3	6
6	6	7	6	6	5	5	7	5	6	6	5
7	1	1	6	7	1	3	1	7	2	1	1
8	7	7	6	5	7	6	7	7	6	6	6
9	6	7	6	3	3	6	7	1	6	3	4
10	7	7	5	3	6	7	7	7	7	4	2
11	6	7	6	6	7	7	7	7	7	7	7
12	7	7	7	2	7	5	7	2	7	7	7
13	7	7	5	4	7	7	7	1	7	7	7
14	7	7	1	1	7	7	7	2	7	6	7
15	7	7	5	3	7	7	7	1	7	7	7
16	4	1	6	4	5	7	7	7	7	6	5
17	4	6	4	6	6	6	6	3	5	6	6
18	7	6	2	3	7	1	7	1	1	1	7
19	6	6	6	6	6	4	3	4	3	4	4
20	7	7	6	6	7	5	6	3	4	4	5
21	5	5	3	3	4	4	6	7	2	2	2
22	6	5	2	3	2	1	7	6	3	2	1
23	6	5	2	3	3	1	5	6	1	2	3
24	7	6	1	3	4	1	5	7	3	2	1
25	6	6	5	5	6	6	7	6	5	5	6
26	6	5	4	2	3	1	7	5	1	1	2
27	5	5	4	4	3	4	4	5	6	4	5
28	5	7	2	1	3	1	7	5	1	1	2
29	5	5	5	5	5	5	5	5	5	5	5
30	6	5	2	4	1	7	6	1	1	2	2
31	7	7	7	7	3	4	7	1	6	6	6
32	7	7	5	6	7	5	4	6	3	5	7
33	6	6	6	6	7	5	6	6	6	6	6
34	5	6	4	5	6	7	5	5	6	6	6
35	6	6	6	7	6	7	6	5	6	6	6
36	7	7	7	7	7	7	7	7	7	7	7
37	7	7	7	7	7	7	7	7	7	7	7
38	7	7	7	7	7	7	7	7	7	7	7
39	7	7	7	7	7	7	7	7	7	7	7
40	7	7	7	7	7	7	7	7	7	7	7
41	7	5	6	6	5	3	6	2	5	6	6
42	7	7	6	4	5	4	6	2	4	5	6
43	7	7	7	7	6	6	6	5	4	4	5
44	7	7	7	7	6	5	7	2	5	6	4
45	7	7	7	3	7	4	6	2	4	5	7
46	5	6	6	6	6	6	6	4	5	5	5
47	6	6	7	6	7	7	6	6	6	7	7
		6	6	7	7	7	5	6	6	6	6
		6	7	6	7	7	6	6	7	6	7
		7	7	7	7	7	7	7	7	7	7



No.	Impact26	Impact27	Impact28	Impact29	Impact30	Impact31	Impact32	Impact33	Impact34	Impact35	Impact36
51	6	7	6	6	6	6	7	7	7	7	7
52	7	7	7	7	7	7	6	6	5	6	4
53	7	7	7	7	7	7	5	6	5	6	7
54	7	7	7	7	7	7	6	6	5	6	6
55	7	7	7	7	7	6	5	7	7	7	7
56	7	6	7	7	5	5	6	7	7	7	7
57	7	7	6	6	6	6	7	7	7	6	6
58	7	7	7	3	4	6	7	7	7	7	7
59	7	7	7	7	7	7	7	6	7	7	7
60	7	7	7	7	7	7	7	7	7	7	7
61	7	7	5	5	6	1	7	3	4	2	4
62	7	7	7	5	5	5	6	6	4	4	4
63	7	7	5	5	5	5	5	5	5	5	5
64	7	7	5	5	6	5	6	6	5	5	5
65	7	7	6	1	7	1	7	1	1	6	7
66	7	7	5	5	7	1	7	1	1	1	1
67	6	7	7	6	7	4	6	2	4	5	5
68	7	7	7	7	7	3	7	1	5	5	5
69	7	6	7	7	7	7	7	2	6	5	5
70	7	7	5	3	6	3	7	4	3	4	7
71	7	6	7	6	7	7	7	1	6	6	6
72	7	7	7	2	7	2	7	1	4	4	7
73	7	7	5	4	6	4	6	5	3	5	7
74	7	5	7	7	7	7	7	6	7	7	7
75	7	7	7	7	7	7	7	7	7	7	7
76	7	7	7	5	5	5	5	3	3	3	3
77	7	6	3	2	7	4	7	3	1	3	6
78	7	6	2	2	7	2	6	3	2	2	6
79	7	6	6	5	5	6	6	3	3	3	3
80	6	6	4	5	6	6	6	4	4	5	6
81	6	6	5	6	6	5	6	2	5	6	5
82	7	7	5	4	6	4	6	1	7	7	7
83	6	6	7	6	7	7	7	2	6	6	7
84	7	7	6	3	7	3	7	2	4	6	6
85	6	6	4	5	6	3	5	3	2	5	6
86	7	7	4	5	7	6	7	1	7	5	7
87	7	7	7	6	7	7	7	4	6	7	6
88	3	4	5	5	5	4	3	5	4	4	4
89	7	7	4	4	5	6	7	3	7	7	7
90	7	7	2	3	7	2	6	4	2	6	6
91	7	7	2	4	7	2	6	4	2	6	6
92	6	7	3	3	7	7	6	3	7	5	7
93	6	6	7	7	7	7	7	1	6	6	7
94	7	7	6	6	7	7	7	2	6	6	7
95	5	6	2	2	2	7	6	1	7	6	5
96	7	7	5	3	7	4	7	7	4	5	5
97	7	7	5	7	7	5	7	1	6	7	5
		6	5	6	7	6	3	2	4	4	4
		7	6	6	7	6	7	1	6	6	6
		6	4	5	2	5	5	7	1	4	5



No.	Impact26	Impact27	Impact28	Impact29	Impact30	Impact31	Impact32	Impact33	Impact34	Impact35	Impact36
101	6	6	1	6	5	1	6	1	5	5	5
102	6	4	4	4	3	3	5	3	2	4	4
103	7	7	4	3	7	6	5	1	5	7	6
104	4	7	4	4	4	5	5	3	4	4	4
105	5	6	5	5	6	5	6	4	5	5	5
106	5	5	5	6	5	5	4	5	5	5	5
107	7	6	5	6	7	6	5	5	5	5	5
108	6	6	6	6	6	6	6	2	5	6	7
109	7	7	5	6	7	6	6	2	6	6	6
110	7	7	5	4	7	5	6	5	4	5	7
111	7	7	6	6	7	6	7	2	6	6	6
112	6	6	6	6	6	6	6	1	6	6	7
113	7	7	1	1	6	5	7	1	1	1	7
114	2	3	5	3	6	3	5	3	2	3	5
115	7	6	5	6	3	4	6	1	5	7	5
116	1	4	2	5	3	5	5	2	4	2	6
117	6	6	5	6	7	5	5	4	7	6	5
118	7	6	3	6	7	5	7	6	5	5	5
119	7	7	4	3	7	3	5	6	2	4	7
120	7	7	6	6	5	5	6	5	5	7	6
121	7	7	7	6	5	4	5	7	1	5	5
122	7	3	5	5	5	5	6	4	3	3	4
123	5	7	4	4	5	3	4	3	6	4	5
124	1	5	5	3	5	3	5	2	2	2	
125	7	7	5	4	7	4	5	6	2	2	6
126	4	6	6	4	6	4	4	6	3	4	6
127	7	7	6	7	6	3	4	4	4	6	6
128	6	7	5		7	5	6	1	6	6	6
129	6	5	4	4	7	5	6	5	4	6	6
130	4	4	4	3	4	7	6	1	4	2	7
131	6	7	6		5	3	6	4	4	5	7
132	7	7	4	5	5	3	7	1	4	5	5
133	7	7	7	6	6	5	6	1	5	6	6
134	7	7	2	3	6	4	7	1	3	7	5
135	6	5	4	5	3	1	5	2	1	2	3
136	7	7	4	3	7	4	7	1	3	1	1
137	7	7	6	6	6	6	7	5	5	5	5
138	7	7	7	6	7	7	6	6	6	7	7
139	7	7	5	5	6	3	5	4	3	4	5
140	7	7	6	5	6	6	7	2	3	5	5
141	6	7	6	6	6	7	7	3	6	6	6
142	7	7	6	6	7	6	7	5	6	6	7
		7	5	6	4	5	4	5	5	6	6
		7	7	6	7	7	6	6	6	7	7



Maintenance Variable Data

No.	Maintenance37	Maintenance38	Maintenance39	Maintenance40	Maintenance41	Maintenance42	Maintenance43	Maintenance44	Maintenance45	Maintenance46	Maintenance47
1	6	6	4	6	5	5	4	2	7	2	2
2	4	6	3	6	6	6	7	7	5	5	3
3	7	5	6	7	7	7	7	5	5	6	6
4	7	5	6	7	7	7	7	5	5	6	6
5	3	6	3	6	7	6	5	3	7	3	3
6	6	7	6	7	7	7	6	5	6	5	6
7	1	7	6	1	1	2	1	7	1	1	1
8	7	7	6	7	7	6	6	5	7	5	5
9	6	7	6	7	4	6	6	3	6	4	7
10	6	7	7	7	7	7	7	4	7	2	5
11	7	7	7	7	7	7	7	7	7	7	7
12	7	7	7	7	7	7	7	7	7	7	6
13	5	5	7	7	7	7	7	5	7	6	5
14	7	7	7	7	7	7	7	2	6	7	2
15	6	7	6	7	7	7	6	6	7	7	7
16	7	6	5	6	5	4	5	4	7	5	6
17	5	6	4	5	6	6	6	5	6	6	6
18	6	7	6	6	7	7	3	1	7	1	2
19	3	5	5	4	3	4	4	4	4	4	4
20	5	6	5	6	7	7	7	6	5	6	4
21	2	5	6	7	5	5	6	3	5	3	2
22	1	6	6	7	6	5	5	2	3	2	2
23	1	6	6	5	6	7	5	2	7	3	1
24	1	6	6	5	6	5	7	2	6	3	1
25	6	6	5	5	5	5	6	6	5	5	5
26	1	6	7	3	6	7	7	3	4	2	1
27	4	3	5	3	5	4	3	4	6	4	3
28	1	6	6	7	5	7	5	2	6	2	1
29	5	5	5	5	5	5	5	5	5	5	5
30	1	6	7	3	6	6	7	3	4	2	1
31	6	7	5	6	7	7	7	7	7	5	5
32	7	5	3	6	2	5	5	6	3	6	7
33	6	7	7	7	7	7	1	1	5	5	5
34	7	7	7	7	7	7	6	6	7	7	7
35	6	6	5	7	7	7	6	5	6	6	6
36	7	7	7	7	7	7	7	7	7	7	7
37	7	7	7	7	7	7	7	7	7	7	7
38	7	7	7	7	7	7	7	7	7	7	7
39	7	7	7	7	7	7	7	7	7	7	7
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42	5	7	6	7	7	7	5	6	6	5	6
43	5	5	5	5	6	6	1	1	4	7	7
44	4	6	6	7	6	6	2	2	6	6	7
45	4	6	7	7	7	7	2	2	5	6	6
46	6	6	6	6	6	6	6	7	7	6	7
47	7	7	7	7	7	7	6	6	6	7	7
48	7	7	7	7	7	7	6	6	7	7	6
		6	7	7	7	7	7	7	7	7	7
		7	7	7	7	7	7	7	7	7	7



No.	Maintenance37	Maintenance38	Maintenance39	Maintenance40	Maintenance41	Maintenance42	Maintenance43	Maintenance44	Maintenance45	Maintenance46	Maintenance47
51	7	7	7	7	7	7	6	6	7	7	7
52	7	7	7	7	7	7	7	7	7	7	7
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55	6	7	7	7	7	7	7	6	6	5	6
56	6	7	7	6	7	5	6	7	6	7	7
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65	7	7	4	7	7	7	7	4	7	1	1
66	5	7	7	7	7	7	7	1	1	3	1
67	7	7	5	5	6	6	6	6	7	6	7
68	7	7	6	6	7	7	7	7	7	6	6
69	7	7	5	6	7	7	7	7	6	5	6
70	7	6	4	5	3	4	7	3	7	5	3
71	7	7	6	7	6	6	6	4	4	4	4
72	7	7	5	7	7	7	7	1	7	2	2
73	4	7	5	7	4	6	5	3	7	7	5
74	7	7	7	7	7	7	5	6	7	7	7
75	7	7	7	7	7	7	7	7	7	7	7
76	4	7	4	6	6	6	5	5	6	6	4
77	2	7	6	7	6	4	5	2	5	2	2
78	2	6	7	7	7	5	5	2	6	1	1
79	4	4	5	5	5	5	4	5	2	2	2
80	4	5	3	6	6	5	6	6	7	4	4
81	5	6	6	6	6	4	6	5	1	5	5
82	7	7	7	7	7	7	7	5	7	7	7
83	7	7	6	7	7	7	5	6	7	7	6
84	5	7	7	7	7	7	7	7	7	7	5
85	4	3	3	5	6	5	6	4	6	4	5
86	6	7	6	7	7	7	1	5	7	7	7
87	7	7	7	7	6	7	6	7	6	7	7
88	4	5	4	5	4	4	4	4	5	4	6
89	7	7	5	7	7	7	7	6	7	7	7
90	7	7	4	7	7	6	5	2	7	5	2
91	7	7	4	7	7	6	5	2	7	5	2
92	7	7	4	7	7	6	5	2	7	5	2
93	7	7	7	7	7	7	3	4	7	5	6
94	7	7	7	7	7	7	3	4	7	6	7
95	6	7	7	6	7	3	7	2	7	7	7
96	6	7	5	7	7	5	7	5	7	5	5
97	7	6	7	7	7	7	7	7	7	6	4
		4	3	5	7	7	7	5	1	1	2
		6	7	6	6	6	6	7	7	7	5
		6	6	6	7	7	6	6	3	6	5



No.	Maintenance37	Maintenance38	Maintenance39	Maintenance40	Maintenance41	Maintenance42	Maintenance43	Maintenance44	Maintenance45	Maintenance46	Maintenance47
101	5	6	6	6	6	6	6	1	5	5	5
102	4	2	4	5	6	6	4	2	4	5	6
103	7	7	6	7	7	5	5	1	1	4	1
104	2	6	5	7	6	3	6	7	4	6	2
105	6	5	5	5	5	5	6	5	6	5	5
106	5	5	4	5	5	4	5	5	4	5	5
107	4	6	5	4	4	4	5	5	2	6	2
108	6	7	6	6	5	5	5	5	7	6	6
109	6	6	7	7	7	7	7	5	7	6	6
110	7	7	6	7	7	7	6	5	7	7	6
111	7	7	7	7	7	7	7	5	7	6	6
112	6	6	6	7	7	7	6	5	7	7	7
113	7	7	7	7	7	7	5	1	6	1	1
114	5	6	4	5	6	6	4	5	6	4	2
115	5	6	5	7	7	7	5	1	5	7	1
116	1	3	5	1	4	2	1	3	2	6	2
117	6	5	5	6	6	7	7	6	6	7	5
118	7	7	7	6	6	6	4	4	5	6	6
119	3	7	4	5	6	6	5	1	5	4	3
120	6	5	6	6	5	5	5	4	6	5	6
121	7	7	5	7	7	7	7	6	7	7	4
122	6	2	5	5	6	5	5	5	6	4	3
123	6	6	4	6	6	5	4	4	6	3	5
124	1	1	1	7	5	2	1	1	1	1	1
125	7	7	7	7	7	7	5	2	7	5	7
126	5	5	4	6	6	2	2	2	7	4	4
127	5	4	4	5	7	7	7	4	5	5	5
128	7	5	4	7	7	7	4	1	7	4	7
129	5	6	4	4	5	5	5	4	4	6	6
130	4	4	4	7	4	2	3	3	4	3	1
131	6	7	5	6	7	7	5	3		6	4
132	7	7	4	6	7	7	7	7	7	7	5
133	6	6	6	7	6	6	6	5	6	6	6
134	7	7	7	7	7	7	7	1	6	7	7
135	4	3	7	5	6	4	1	1	2	3	2
136	7	7	4	5	7	7	7	7	7	7	6
137	5	7	5	7	7	7	7	6	6	6	5
138	5	7	6	7	7	7	6	7	7	7	7
139	5	5	3	6	7	7	7	5	7	7	5
140	5	7	6	7	7	7	7	7	7	6	6
141	7	6	7	7	7	6	6	6	7	7	6
142	6	7	7	7	7	7	7	7	6	7	7
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		7	7	7	7	7	6	6	7	7	6



APPENDIX C

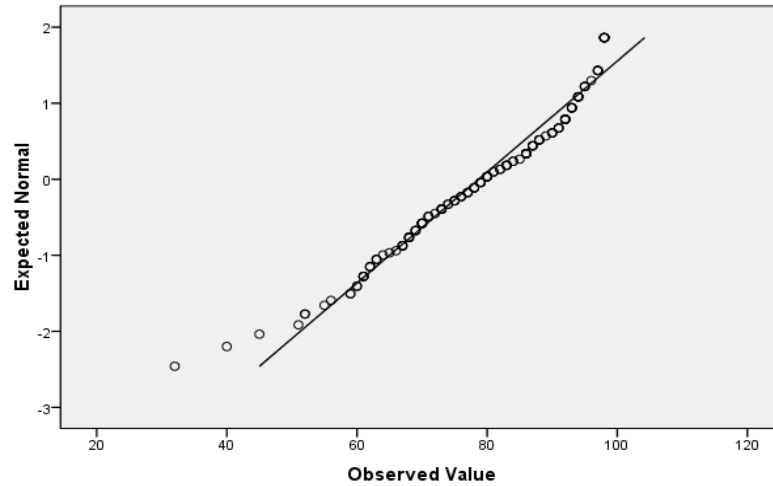
ASUMPTION CLASSIC TEST



Test of Normality

Normal P-P Plot of Regression Standardized Residual Dependent Variable: T_Effort

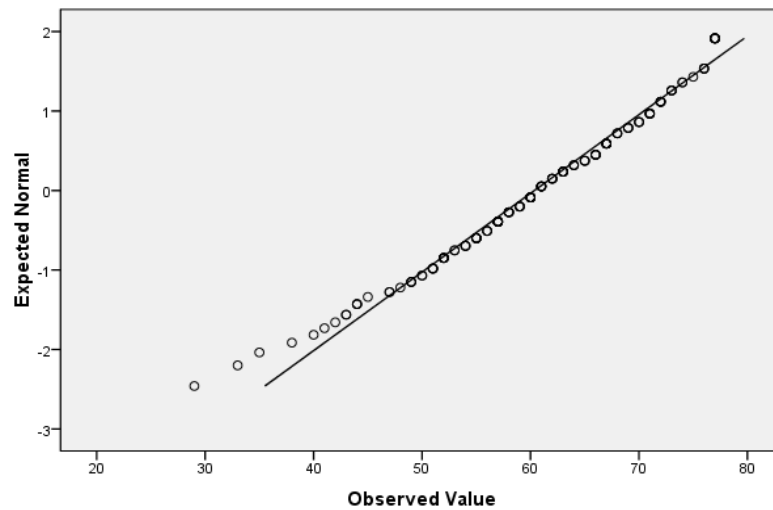
Normal Q-Q Plot of T_Upaya



Test Normality

Normal P-P Plot of Regression Standardized Residual Dependent Variable: T_Faktor

Normal Q-Q Plot of T_Faktor

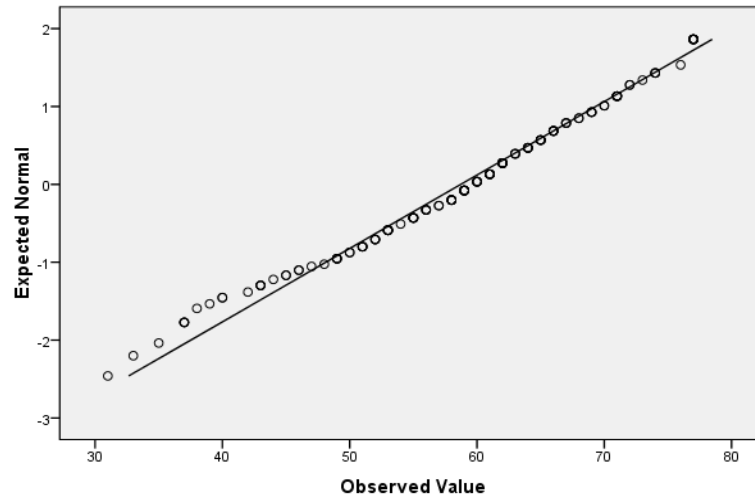


Test of Normality



Normal P-P Plot of Regression Standardized Residual Dependent Variable: T_Impact

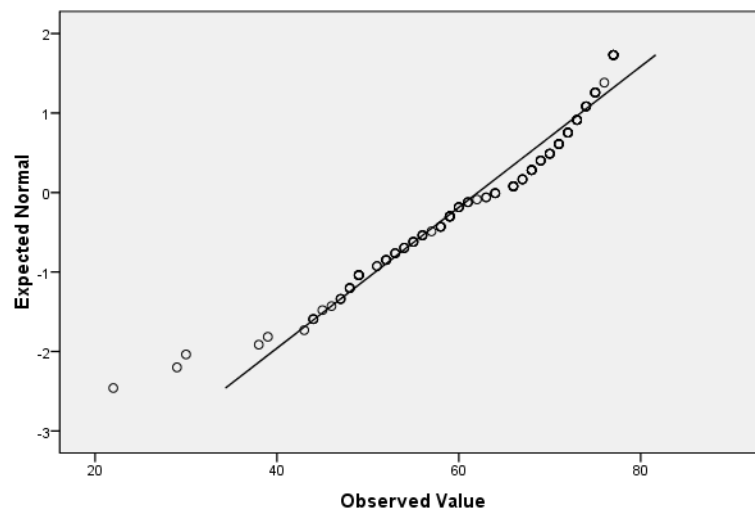
Normal Q-Q Plot of T_Dampak



Test of Normality

Normal P-P Plot of Regression Standardized Residual Dependent Variable: T_Maintenance

Normal Q-Q Plot of T_Pemertahanan



Descriptives

			Statistic	Std. Error
T_Pemertahanan	Mean		62.10	.944
	95% Confidence Interval for Mean	Lower Bound	60.24	
		Upper Bound	63.97	
	5% Trimmed Mean		62.77	
	Median		64.00	
	Variance		127.418	
	Std. Deviation		11.288	
	Minimum		22	
	Maximum		77	
	Range		55	
	Interquartile Range		17	
	Skewness		-.788	.203
	Kurtosis		.446	.403
	T_Upaya	Mean		78.70
95% Confidence Interval for Mean		Lower Bound	76.43	
		Upper Bound	80.96	
5% Trimmed Mean			79.39	
Median			80.00	
Variance			187.634	
Std. Deviation			13.698	
Minimum			32	
Maximum			98	
Range			66	
Interquartile Range			22	
Skewness			-.592	.203
Kurtosis			.073	.403
T_Faktor		Mean		60.36
	95% Confidence Interval for Mean	Lower Bound	58.69	
		Upper Bound	62.03	
	5% Trimmed Mean		60.73	
	Median		61.00	
	Variance		102.048	
	Std. Deviation		10.102	
	Minimum		29	
	Maximum		77	
	Range		48	
	Interquartile Range		13	
	Skewness		-.478	.203
	Kurtosis		.073	.403
	T_Dampak	Mean		58.73
95% Confidence Interval for Mean		Lower Bound	56.97	
		Upper Bound	60.48	
5% Trimmed Mean			59.01	
Median			60.00	
Variance			112.467	
Std. Deviation			10.605	
Minimum			31	
Maximum			77	
Range			46	
Interquartile Range			14	
Skewness			-.391	.203
Kurtosis			-.228	.403



Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
T_Pemertahanan	.124	143	.000	.937	143	.000
T_Upaya	.095	143	.003	.955	143	.000
T_Faktor	.055	143	.200 [*]	.976	143	.012
T_Dampak	.074	143	.053	.976	143	.014

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.



APPENDIX D

VALIDITY AND RELIABILITY TEST



Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
Effort1	151.21	727.615	.462	.	.752
Effort2	151.16	738.562	.352	.	.756
Effort3	151.99	687.000	.702	.	.736
Effort4	151.73	699.673	.640	.	.741
Effort5	151.29	715.554	.646	.	.746
Effort6	151.60	712.767	.550	.	.746
Effort7	151.55	701.881	.677	.	.741
Effort8	151.05	720.615	.621	.	.748
Effort9	151.58	695.947	.714	.	.739
Effort10	152.15	699.687	.689	.	.740
Effort11	152.70	686.635	.658	.	.736
Effort12	153.16	679.101	.716	.	.733
Effort13	152.64	684.856	.655	.	.736
Effort14	152.14	696.349	.576	.	.740
TOTAL	78.74	188.733	1.000	.	.894

Reliability Statistics

Cronbach's Alpha	Part 1	Value	.838
		N of Items	8 ^a
	Part 2	Value	.636
		N of Items	7 ^a
	Total N of Items		15
Correlation Between Forms			.821
Spearman-Brown Coefficient	Equal Length		.902
	Unequal Length		.902
Guttman Split-Half Coefficient			.659

a. The items are: Effort1, Effort2, Effort3, Effort4, Effort5, Effort6, Effort7, Effort8.

b. The items are: Effort9, Effort10, Effort11, Effort12, Effort13, Effort14, TOTAL.



Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
factor15	114.61	381.657	.589	.	.728
factor16	115.01	374.298	.572	.	.723
factor17	114.46	386.363	.523	.	.732
factor18	115.09	373.743	.476	.	.725
factor19	115.04	372.559	.625	.	.721
factor20	116.31	358.811	.562	.	.714
factor21	116.79	351.912	.597	.	.709
factor22	115.27	373.321	.556	.	.723
factor23	116.76	374.878	.329	.	.732
factor24	115.08	375.051	.564	.	.724
factor25	114.75	379.808	.581	.	.727
TOTAL	60.44	101.851	1.000	.	.793

Reliability Statistics

Cronbach's Alpha	Part 1	Value	.725
		N of Items	6 ^a
	Part 2	Value	.590
		N of Items	6 ^a
	Total N of Items		12
Correlation Between Forms			.825
Spearman-Brown Coefficient	Equal Length		.904
	Unequal Length		.904
Guttman Split-Half Coefficient			.707

a. The items are: factor15, factor16, factor17, factor18, factor19, factor20.

b. The items are: factor21, factor22, factor23, factor24, factor25, TOTAL.



Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
Impact26	111.65	418.589	.390	.417	.741
Impact27	111.64	418.075	.442	.417	.740
Impact28	112.71	393.975	.645	.417	.722
Impact29	112.93	401.232	.538	.417	.729
Impact30	112.08	403.023	.578	.417	.729
Impact31	112.96	387.157	.668	.417	.717
Impact32	111.90	422.681	.340	.417	.744
Impact33	113.99	412.194	.251	.417	.744
Impact34	113.29	380.508	.745	.417	.711
Impact35	112.96	381.423	.800	.417	.711
Impact36	112.44	398.781	.611	.417	.726
TOTAL	58.98	109.733	1.000	.417	.816

Reliability Statistics

Cronbach's Alpha	Part 1	Value	.717
		N of Items	6 ^a
	Part 2	Value	.596
		N of Items	6 ^a
	Total N of Items		12
Correlation Between Forms			.869
Spearman-Brown Coefficient	Equal Length		.930
	Unequal Length		.930
Guttman Split-Half Coefficient			.721

a. The items are: Impact26, Impact27, Impact28, Impact29, Impact30, Impact31.

b. The items are: Impact32, Impact33, Impact34, Impact35, Impact36, TOTAL.



Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
Maintenance37	118.75	454.244	.726	.	.732
Maintenance38	118.13	479.601	.602	.	.747
Maintenance39	118.63	483.723	.474	.	.751
Maintenance40	118.05	482.005	.572	.	.749
Maintenance41	118.01	482.035	.599	.	.748
Maintenance42	118.24	471.758	.676	.	.742
Maintenance43	118.69	469.464	.574	.	.742
Maintenance44	119.68	458.689	.569	.	.738
Maintenance45	118.48	465.173	.644	.	.739
Maintenance46	119.06	456.819	.686	.	.734
Maintenance47	119.39	445.928	.712	.	.728
TOTAL	62.15	128.056	1.000	.	.866

Reliability Statistics

Cronbach's Alpha	Part 1	Value	.819
		N of Items	6 ^a
	Part 2	Value	.648
		N of Items	6 ^a
	Total N of Items		12
Correlation Between Forms			.807
Spearman-Brown Coefficient	Equal Length		.893
	Unequal Length		.893
Guttman Split-Half Coefficient			.642

a. The items are: Maintenance37, Maintenance38, Maintenance39, Maintenance40, Maintenance41, Maintenance42.

b. The items are: Maintenance43, Maintenance44, Maintenance45, Maintenance46, Maintenance47, TOTAL.



APPENDIX E

HYPOTHESIS TEST



Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.792 ^a	.627	.624	6.921

a. Predictors: (Constant), TOTALEffort

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	11338.992	1	11338.992	236.703	.000 ^a
	Residual	6754.434	141	47.904		
	Total	18093.427	142			

a. Predictors: (Constant), TOTALEffort

b. Dependent Variable: TOTALMaintenance

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	10.765	3.387		3.178	.002
	TOTALEffort	.652	.042	.792	15.385	.000

a. Dependent Variable: TOTALMaintenance



Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.787 ^a	.619	.616	6.995

a. Predictors: (Constant), TOTALFactor

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	11194.837	1	11194.837	228.811	.000 ^a
	Residual	6898.590	141	48.926		
	Total	18093.427	142			

a. Predictors: (Constant), TOTALFactor

b. Dependent Variable: TOTALMaintenance

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	9.055	3.556		2.547	.012
	TOTALFactor	.879	.058	.787	15.126	.000

a. Dependent Variable: TOTALMaintenance



Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.816 ^a	.666	.664	6.546

a. Predictors: (Constant), TOTALImpact

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	12051.238	1	12051.238	281.227	.000 ^a
	Residual	6042.189	141	42.852		
	Total	18093.427	142			

a. Predictors: (Constant), TOTALImpact

b. Dependent Variable: TOTALMaintenance

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	11.090	3.091		3.588	.000
	TOTALImpact	.869	.052	.816	16.770	.000

a. Dependent Variable: TOTALMaintenance



Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.869 ^a	.755	.750	5.648

a. Predictors: (Constant), TOTALImpact, TOTALFactor, TOTALEffort

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	13659.281	3	4553.094	142.729	.000 ^a
	Residual	4434.146	139	31.900		
	Total	18093.427	142			

a. Predictors: (Constant), TOTALImpact, TOTALFactor, TOTALEffort

b. Dependent Variable: TOTALMaintenance

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.209	3.013		.401	.029
	TOTALEffort	.222	.062	.270	3.598	.000
	TOTALFactor	.301	.082	.269	3.673	.000
	TOTALImpact	.430	.076	.404	5.640	.000

a. Dependent Variable: TOTALMaintenance

