

THE INDOONESIAN DATA

RESPONDENT	CHAIN																		MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	5	7	5	5	5	6	4	5	6	6	5	4	4	7	6	5	6	7	5.4444
2	4	5	4	2	2	3	4	4	4	3	3	3	3	4	3	4	3	2	3.3333
3	3	2	2	2	2	3	2	3	3	3	3	3	3	3	3	2	4	4	2.7778
4	3	3	2	2	2	3	3	3	4	2	3	3	2	3	2	3	4	3	2.7778
5	5	5	4	4	4	4	3	4	4	5	4	3	4	5	3	4	5	4	4.1111
6	2	3	3	3	4	5	3	3	4	3	3	4	3	6	3	3	3	3	3.3889
7	3	4	3	3	3	4	2	3	4	4	4	3	2	3	3	3	3	3	3.1667
8	4	6	3	3	3	3	4	4	4	2	4	3	3	4	4	5	3	3	3.6111
9	3	4	4	3	3	3	3	3	4	2	3	4	2	3	2	4	4	3	3.1667
10	4	4	4	4	3	3	4	3	4	4	5	4	4	5	2	4	5	4	3.8889
11	4	4	3	2	3	2	2	3	2	2	3	3	3	3	4	3	3	2	2.8333
12	4	4	3	3	4	4	4	4	3	2	4	3	3	4	5	4	4	3	3.6111
13	3	3	3	3	3	2	4	4	3	3	3	5	2	3	3	3	2	2	3.0000
14	2	3	2	2	3	2	2	4	2	3	4	3	2	2	2	2	3	3	2.5566
15	4	5	4	4	5	4	3	4	4	4	4	4	4	4	4	3	4	4	4.0000
16	3	3	3	3	3	3	3	3	2	3	3	3	2	3	3	3	2	3	2.8333
17	4	2	4	2	3	3	4	4	4	3	2	3	3	3	2	3	3	3	3.0566
18	4	2	3	3	3	2	4	3	2	3	4	3	3	3	3	4	4	3	3.1111
19	5	5	5	3	3	4	3	5	3	4	5	7	4	3	6	3	3	5	4.2222
20	3	4	4	4	4	3	4	4	4	4	6	3	4	4	3	5	3	3	3.8333
21	3	3	3	3	3	3	3	3	2	3	2	3	3	3	2	3	3	3	2.8333
22	5	4	4	4	4	2	3	4	4	2	3	3	2	2	3	3	2	4	3.2222
23	5	3	3	4	3	3	4	3	3	4	5	3	4	2	3	3	3	3	3.3889
24	6	4	5	4	3	2	2	3	2	4	3	3	3	3	2	3	2	2	3.1111
25	3	2	2	2	2	4	2	2	2	3	3	3	3	2	3	6	3	3	2.7778
26	3	2	2	3	3	3	3	2	2	3	2	3	2	3	2	3	2	3	2.5566
27	3	3	4	3	3	3	3	3	3	4	3	3	3	4	2	3	2	3	3.0566
28	3	5	4	3	4	4	3	3	4	3	4	4	4	3	4	3	2	4	3.5566
29	4	4	5	6	6	6	3	6	5	4	3	4	4	5	5	5	3	3	4.5000
30	4	2	2	2	2	2	2	3	2	4	4	3	3	4	4	3	3	3	2.8889
MEAN	3.70	3.67	3.40	3.13	3.27	3.27	3.10	3.50	3.30	3.30	3.57	3.43	3.03	3.53	3.20	3.50	3.20	3.27	3.3637

Appendix 1

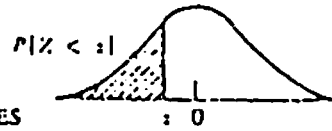
**THE ENGLISH CHAIN**

RESPONDENT	CHAIN																		MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	6	6	6	6	5	5	5	4	7	7	4	7	7	6	5	6	6	7	5.8333
2	4	2	4	3	4	3	3	3	4	3	3	3	4	3	4	4	3	2	3.2778
3	3	3	3	3	3	4	4	3	3	2	3	4	3	5	2	3	3	3	3.1667
4	3	2	2	3	2	3	2	3	2	2	3	4	2	3	2	5	3	4	2.7778
5	4	4	4	6	4	6	6	4	5	5	4	5	4	5	5	4	4	5	4.6667
6	4	5	4	3	5	4	4	4	5	3	3	4	5	3	2	4	4	4	3.8889
7	4	3	4	4	4	4	3	3	2	3	4	3	4	3	4	3	3	3	3.3889
8	4	3	5	3	4	3	4	3	4	4	4	3	4	3	6	3	3	4	3.7222
9	4	4	5	3	3	3	4	6	3	3	3	4	3	3	2	4	5	4	3.6667
10	4	3	4	3	3	3	4	4	4	3	3	5	2	4	5	4	4	4	3.6667
11	2	3	3	3	4	2	3	4	2	2	2	3	2	3	3	3	3	3	2.7778
12	4	3	3	4	5	4	4	4	3	4	4	4	4	3	4	4	3	3	3.7222
13	3	3	3	2	3	3	3	4	3	2	3	4	4	4	2	3	3	3	3.0556
14	3	2	3	2	3	2	3	2	2	3	3	3	3	3	3	2	3	3	2.6667
15	5	5	4	5	5	5	3	5	4	5	5	6	5	4	5	5	4	4	4.6667
16	4	3	3	3	4	2	3	2	2	4	3	4	3	4	4	3	3	3	3.1667
17	5	4	2	2	3	3	4	2	3	3	3	3	3	2	2	2	3	5	3.0000
18	4	2	3	3	3	2	4	4	2	3	2	3	3	3	3	4	4	3	3.0556
19	6	5	6	5	5	3	7	5	5	4	3	6	6	6	4	3	5	4	4.8889
20	3	4	5	6	7	5	3	6	5	6	5	4	5	6	5	7	4	4	5.0000
21	2	3	3	3	3	3	4	4	3	3	3	3	4	2	2	2	3	2	2.8889
22	5	5	5	4	4	3	4	3	2	4	4	3	3	2	3	2	5	4	3.6111
23	5	4	4	4	5	4	4	3	3	4	5	3	4	3	3	4	4	4	3.8889
24	4	5	3	2	3	2	4	3	4	4	3	5	3	3	4	2	4	3	3.3889
25	3	2	4	4	3	4	3	3	2	4	5	3	3	3	4	3	3	3	3.2778
26	3	3	3	2	2	2	3	3	3	3	2	3	4	3	3	2	2	2	2.6667
27	3	5	3	4	3	3	4	4	2	2	4	3	3	3	3	3	2	3	3.1667
28	4	3	4	4	4	3	3	5	3	4	4	4	3	4	4	3	4	2	3.6111
29	4	4	6	5	4	5	8	5	5	4	7	6	4	4	4	3	6	8	5.1111
30	4	2	4	5	5	3	5	2	2	3	5	3	3	3	4	3	3	4	3.5000
<b>MEAN</b>	<b>3.87</b>	<b>3.5</b>	<b>3.83</b>	<b>3.63</b>	<b>3.83</b>	<b>3.37</b>	<b>3.93</b>	<b>3.67</b>	<b>3.3</b>	<b>3.53</b>	<b>3.63</b>	<b>3.93</b>	<b>3.67</b>	<b>3.53</b>	<b>3.53</b>	<b>3.43</b>	<b>3.63</b>	<b>3.67</b>	<b>3.6389</b>

Appendix 2

Appendix 3

**Z TABLE**  
TABLE 4  
STANDARD NORMAL PROBABILITIES



z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
-3.5	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002
-3.4	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003
-3.3	.0005	.0005	.0005	.0004	.0004	.0004	.0004	.0004	.0004	.0003
-3.2	.0007	.0007	.0006	.0006	.0006	.0006	.0006	.0005	.0005	.0005
-3.1	.0010	.0009	.0009	.0009	.0008	.0008	.0008	.0008	.0007	.0007
-3.0	.0013	.0013	.0013	.0012	.0012	.0011	.0011	.0011	.0010	.0010
-2.9	.0019	.0018	.0018	.0017	.0016	.0016	.0015	.0015	.0014	.0014
-2.8	.0026	.0025	.0024	.0023	.0023	.0022	.0021	.0021	.0020	.0019
-2.7	.0035	.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027	.0026
-2.6	.0047	.0045	.0044	.0043	.0041	.0040	.0039	.0038	.0037	.0036
-2.5	.0062	.0060	.0059	.0057	.0055	.0054	.0052	.0051	.0049	.0048
-2.4	.0082	.0080	.0078	.0075	.0073	.0071	.0069	.0068	.0066	.0064
-2.3	.0107	.0104	.0102	.0099	.0096	.0094	.0091	.0089	.0087	.0084
-2.2	.0139	.0136	.0132	.0129	.0125	.0122	.0119	.0116	.0113	.0110
-2.1	.0179	.0174	.0170	.0166	.0162	.0158	.0154	.0150	.0146	.0143
-2.0	.0228	.0222	.0217	.0212	.0207	.0202	.0197	.0192	.0188	.0183
-1.9	.0287	.0281	.0274	.0268	.0262	.0256	.0250	.0244	.0239	.0233
-1.8	.0359	.0351	.0344	.0336	.0329	.0322	.0314	.0307	.0301	.0294
-1.7	.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	.0375	.0367
-1.6	.0548	.0537	.0526	.0516	.0505	.0495	.0485	.0475	.0465	.0455
-1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.0571	.0559
-1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0721	.0708	.0694	.0681
-1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	.0823
-1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	.0985
-1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	.1170
-1.0	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	.1379
-0.9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611
-0.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.1894	.1867
-0.7	.2420	.2389	.2358	.2327	.2297	.2266	.2236	.2206	.2177	.2148
-0.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451
-0.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776
-0.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121
-0.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
-0.2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
-0.1	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
-0.0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641

STATISTICAL CONCEPTS AND METHODS

TABLE 4 (Continued)

z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
.7	.7580	.7611	.7642	.7673	.7703	.7734	.7764	.7794	.7823	.7852
.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9898	.9901	.9903	.9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986
3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
3.1	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
3.2	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
3.3	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
3.4	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998
3.5	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998

## Appendix 4

**MODEL TEST PAPER****THE CONSTRUCTION OF ASSOCIATION CHAINS  
IN INDONESIAN SEMANTIC NETWORK STRUCTURE**

<b>Date:</b>	<b>Semester:</b>
<b>Name:</b>	<b>GPA:</b>

**INSTRUCTION:**

The followings are eighteen pairs of words. Each pair contains a stimulus and a target words. Please construct association chain for each pair of words. The time given is maximum 1 minute for each chain, so the test will last for about 18 minutes for the eighteen association chains. Just write down the words, which come first to mind, in between.

1. Gunung \_\_\_\_\_ Rumah
2. Gunung \_\_\_\_\_ Hutan
3. Rumah \_\_\_\_\_ Bunga
4. Rumah \_\_\_\_\_ Pencuri
5. Hutan \_\_\_\_\_ Pencuri
6. Hutan \_\_\_\_\_ Gajah

7. Bunga — Mobil
8. Bunga — Kelinci
9. Pencuri — Kelinci
10. Pencuri — Kaos kaki
11. Gajah — Kaos kaki
12. Gajah — Laut
13. Rumah — Hutan
14. Bunga — Pencuri
15. Pencuri — Gajah
16. Mobil — Kelinci
17. Kelinci — Kaos kaki
18. Kaos kaki — Laut

## Appendix 5

**MODEL TEST PAPER****THE CONSTRUCTION OF ASSOCIATION CHAINS  
IN ENGLISH SEMANTIC NETWORK STRUCTURE**

<b>Date:</b>	<b>Semester:</b>
<b>Name:</b>	<b>GPA:</b>

**INSTRUCTION:**

The followings are eighteen pairs of words. Each pair contains a stimulus and a target words. Please construct association chain for each pair of words. The time given is maximum 1 minute for each chain, so the test will last for about 18 minutes for the eighteen association chains. Just write down the words, which come first to mind, in between.

1. Mountain \_\_\_\_\_ House
2. Mountain \_\_\_\_\_ Forest
3. House \_\_\_\_\_ Flower
4. House \_\_\_\_\_ Thief
5. Forest \_\_\_\_\_ Thief
6. Forest \_\_\_\_\_ Elephant

7. Flower ————— Car
8. Flower ————— Rabbit
9. Thief ————— Rabbit
10. Thief ————— Sock
11. Elephant ————— Sock
12. Elephant ————— Sea
13. House ————— Forest
14. Flower ————— Thief
15. Thief ————— Elephant
16. Car ————— Rabbit
17. Rabbit ————— Sock
18. Sock ————— Sea