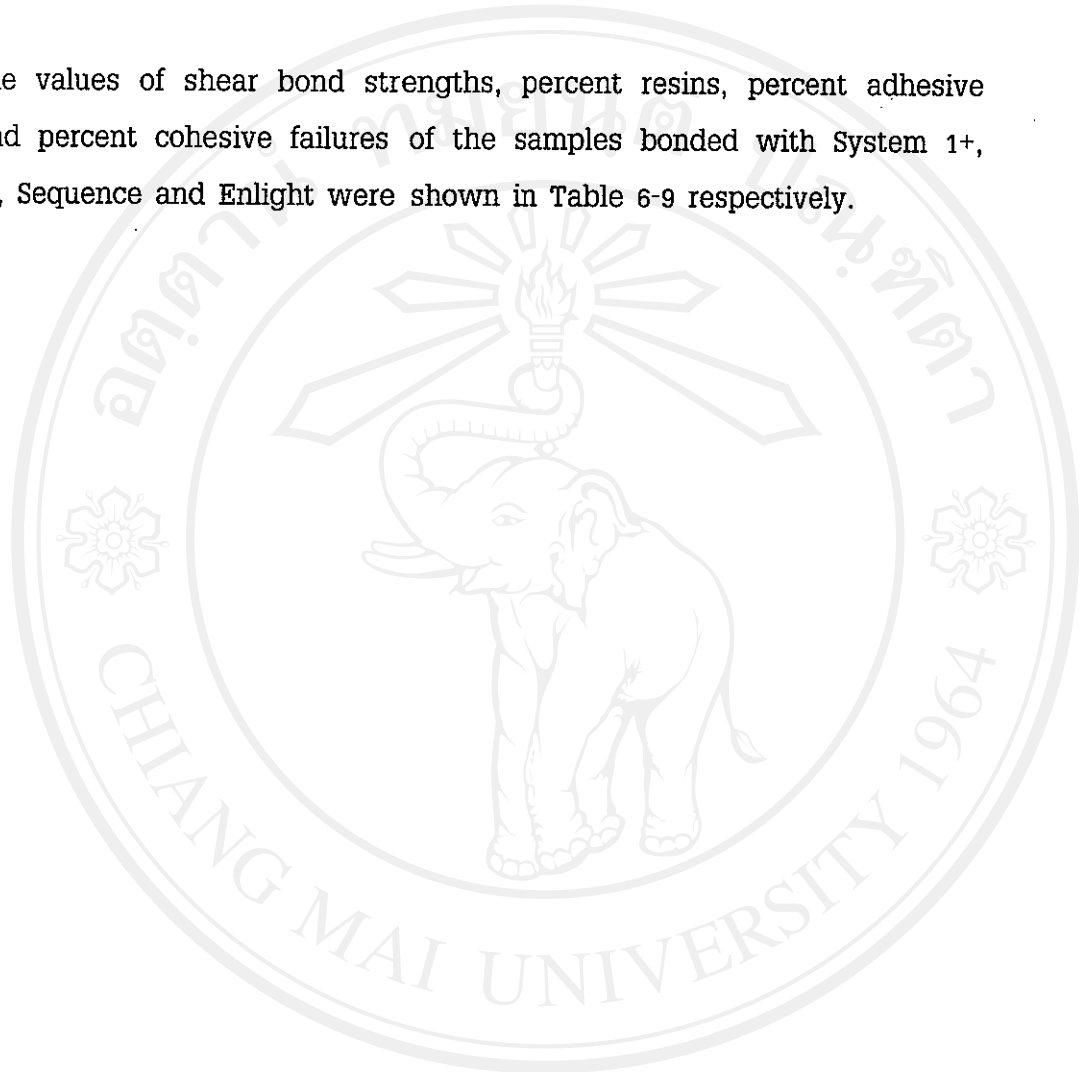


## APPENDIX

The values of shear bond strengths, percent resins, percent adhesive failures and percent cohesive failures of the samples bonded with System 1+, Transbond, Sequence and Enlight were shown in Table 6-9 respectively.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่  
Copyright© by Chiang Mai University  
All rights reserved

Table 6 The values of shear bond strengths, percent resins, percent adhesive failures and percent cohesive failures of the samples bonded with System 1+

NO	STRENGTH (NEWTON)	% RESIN		% ADHESIVE FAILURE		% COHESIVE FAILURE
		BRACKET	ENAMEL	BRACKET	ENAMEL	
		BASE	SURFACE	BASE	SURFACE	
01	106.65	82	29	18	71	11
02	63.40	62	47	38	53	9
03	64.74	77	32	23	68	9
04	109.09	48	96	62	14	34
05	89.82	22	79	78	21	1
06	114.05	97	8	3	92	5
07	98.28	30	95	70	5	25
08	78.75	94	20	6	80	14
09	68.99	16	97	84	3	13
10	105.86	19	100	81	0	19
11	66.67	14	93	86	7	7
12	117.97	87	57	13	43	44
13	118.24	47	82	53	18	29
14	119.19	84	70	16	30	54
15	113.50	55	90	45	10	45
16	133.21	39	93	61	7	32
17	75.55	91	17	9	83	8
18	61.97	75	29	25	71	4
19	99.82	47	95	53	5	42
20	85.09	39	97	61	3	36
21	138.06	42	72	58	28	14
22	110.45	45	93	55	7	38
23	116.00	89	17	11	83	6
24	77.17	90	14	10	86	4
25	110.59	57	60	43	40	17
26	112.16	89	14	11	86	3
27	111.65	83	29	17	71	12
28	120.46	67	76	33	24	43
29	110.57	94	19	6	81	13
30	97.60	30	87	70	13	17

Table 7 The values of shear bond strengths, percent resins, percent adhesive failures and percent cohesive failures of the samples bonded with Transbond

NO	STRENGTH (NEWTON)	% RESIN		% ADHESIVE FAILURE		% COHESIVE FAILURE
		BRACKET	ENAMEL	BRACKET	ENAMEL	
		BASE	SURFACE	BASE	SURFACE	
01	114.03	27	80	73	20	7
02	75.63	98	2	2	98	0
03	126.44	23	86	77	14	9
04	91.32	85	17	15	83	2
05	105.99	40	63	60	37	3
06	128.82	36	71	64	29	7
07	111.04	19	95	81	5	14
08	83.25	88	18	12	82	6
09	107.07	91	9	9	91	0
10	90.60	92	16	8	84	8
11	86.63	62	46	38	54	8
12	124.73	61	55	39	45	16
13	134.98	43	62	57	38	5
14	120.17	51	49	49	51	0
15	144.60	34	70	66	30	4
16	129.24	29	89	71	11	18
17	129.48	60	45	40	55	5
18	121.22	33	86	67	14	19
19	104.47	71	35	29	65	6
20	113.17	55	49	45	51	4
21	110.15	81	23	19	77	4
22	113.79	51	68	49	32	19
23	161.38	33	78	67	22	11
24	116.81	30	95	70	5	25
25	129.72	17	89	83	11	6
26	136.78	28	77	72	23	5
27	70.94	5	96	95	4	1
28	125.08	94	6	6	94	0
29	99.43	29	71	71	29	0
30	78.71	24	90	76	10	14

Table 8 The values of shear bond strengths, percent resins, percent adhesive failures and percent cohesive failures of the samples bonded with Sequence

NO	STRENGTH (NEWTON)	% RESIN		% ADHESIVE FAILURE		% COHESIVE FAILURE
		BRACKET	ENAMEL	BRACKET	ENAMEL	
		BASE	SURFACE	BASE	SURFACE	
01	87.41	73	29	27	71	2
02	80.69	85	15	15	85	0
03	124.87	97	5	3	95	2
04	79.12	95	5	5	95	0
05	112.75	33	71	67	29	4
06	98.06	88	25	12	75	13
07	75.21	71	29	29	71	0
08	84.10	88	12	12	88	0
09	113.60	60	48	40	52	8
10	131.31	95	8	5	92	3
11	75.14	83	19	17	81	2
12	68.94	96	4	4	96	0
13	83.19	81	22	19	78	3
14	130.45	95	7	5	93	2
15	132.10	91	13	9	87	4
16	77.94	86	17	14	83	3
17	129.35	100	0	0	100	0
18	69.57	90	15	10	85	5
19	98.24	91	9	9	91	0
20	106.12	98	2	2	98	0
21	73.64	61	40	39	60	1
22	111.38	69	31	31	69	0
23	114.08	93	8	7	92	1
24	91.04	72	40	28	60	12
25	90.65	87	18	13	82	5
26	82.38	92	9	8	91	1
27	88.90	90	11	10	89	1
28	77.92	93	27	7	73	20
29	79.11	81	29	19	71	10
30	118.40	92	12	8	88	4

Table 9 The values of shear bond strengths, percent resins, percent adhesive failures and percent cohesive failures of the samples bonded with Enlight

NO	STRENGTH (NEWTON)	% RESIN		% ADHESIVE FAILURE		% COHESIVE FAILURE
		BRACKET	ENAMEL	BRACKET	ENAMEL	
		BASE	SURFACE	BASE	SURFACE	
01	95.97	86	21	14	79	7
02	92.80	97	6	3	94	3
03	59.01	80	37	20	63	17
04	71.55	82	21	18	79	3
05	112.62	98	2	2	98	0
06	90.42	83	18	17	82	1
07	54.11	93	19	7	81	12
08	72.55	88	16	12	84	4
09	120.83	96	6	4	94	2
10	59.56	100	0	0	100	0
11	108.46	75	22	22	75	0
12	87.98	87	17	13	83	4
13	109.87	96	10	4	90	6
14	93.40	85	22	15	78	7
15	132.92	84	18	16	82	2
16	91.87	100	0	0	100	0
17	87.33	88	12	12	88	0
18	96.85	82	26	18	74	8
19	100.27	98	5	2	95	3
20	119.78	73	52	27	48	25
21	122.96	99	7	1	93	6
22	76.02	92	16	8	84	8
23	82.96	78	25	22	75	3
24	88.37	99	5	1	95	4
25	115.83	96	6	4	94	2
26	119.32	79	37	21	63	16
27	74.06	71	29	29	71	0
28	91.39	93	11	7	89	4
29	120.32	94	6	6	94	0
30	100.05	77	32	23	68	9

## CURRICULUM VITAE

NAME	Miss Jantima Ariyanon
DATE OF BIRTH	20 July 1970
PLACE OF BIRTH	Nakhon Pathom, Thailand
INSTITUTION ATTENDED	
1988 - 1994	Chiang Mai University Doctor of Dental Surgery
PAST EXPERIENCES	
1994 - 1995	Dental health section, Tungtako hospital, Chumporn.
1995 - 1996	Dental health section, Provincial health office, Nakhon Pathom.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University

All rights reserved