

## **APPENDICES**

## APPENDIX 1

### Equipments and materials used for sealant application

#### Equipments for resin group :

##### a. Heavy equipment

Mobile dental unit.

Portable dental chair.

Mobile dental light.

##### b. Hand-instrument and others disposable accessory materials.

Explorer No. 23.

Mouth mirror.

Cotton pliers.

Stainless steel tray.

Water cup

Mendrel and rubber cup

Pumice for polishing

Articulating paper.

Stone bur.

Cotton roll.

Disposable saliva ejector.

c. Material.

Resin sealant (Denton<sup>®</sup>).

**Equipment for glass-ionomer group**

a. Heavy equipment.

Portable dental chair.

Mobile dental light.

b. Hand instruments and other disposable accessory materials.

Explorer No. 23.

Mouth mirror.

Cotton pliers.

Stainless steel tray.

Water cup.

Cotton roll.

Spoon excavator.

c. Material.

Glass-ionomer material ( Fuji III ).

## APPENDIX 2

### Sealing techniques for resin and glass-ionomer

#### a) Technique for resin sealing.

- Use mobile dental unit for polishing occlusal surface by using pumice and rubber cup.
- Rinse and dry by using triple syringe
- Apply occlusal surface with phosphoric acid 37% around 1 minute
- Rinse and dry by using triple syringe.
- Apply resin on the occlusal surface
- Occlusion checking by using articulating paper.

#### b) Technique for glass-ionomer sealing.

- Use the cotton roll to dry the tooth surface.
- Apply tooth surface conditioner solution (polyacrylic acid 10%) 10 seconds.
- Soak the cotton roll with water and clean the tooth surface two or three times for getting rid of tooth surface conditioner.
- Dry the tooth surface with cotton roll.
- Mix the powder and liquid of glass-ionomer and apply into the occlusal surface then press with finger.
- Get rid of the excessive material.
- Apply varnish into material surface and wait for 30 seconds.
- Mouth-rinse with water.
- Advice the patient to avoid having food for one hour.

## **APPENDIX 3**

### **Guideline for in-depth interview**

#### **Key questions for in-depth interview**

1. What are the main health problems in this school?
2. What is the first priority related to health promotion in this school? and why?
3. Could you explain me the dental health promotion and preventive program in this school?
4. Do you encourage to create a good dental environment? and how?
5. Is dental health education program added in the course syllabus?
6. Do you have tooth brushing after lunch activity in your school?
7. Do the children have toothbrush on their own?
8. Do you have the oral cavity examination for students in your school?
9. Do you face any problems with dental health promotion activities?

## **APPENDIX 4**

### **Guidelines for Focus Group Discussion**

#### **Key questions for Focus Group Discussion**

1. Do you know there are dental health promotion and preventive program activities in this school?
2. What do you know about dental health activities in the school?
3. How do you think about dental health promotion and preventive program that you explained to me?
4. Do the teachers teach your children about how to brush?
5. What do you think about tooth brushing after lunch activity provided in this school and how do you know?
6. Should the school include dental health promotion and preventive program activities?
7. How important you think that dental health promotion activities are parts of the school's curriculum and why?
8. What do you know about oral status of your children and how do you know?
9. What kind of food and snacks are provided at the school and is it useful for health and dental health?
10. Do you think the teacher examine your children's oral cavity?
11. what could the parents do for reinforce dental health promotion and education activities in the school?
12. What do you want the school provide to your children for dental health promotion encouragement?

## APPENDIX 5

### Observation guideline

1. Checklist for school facilities that related to dental health promotion and preventive program.
  - 1.1. Does the school have tooth brushing place?
  - 1.2. Does the school have adequate water supply?
  - 1.3. Does the school have public relations board for announcing dental health information?
  - 1.4. Does the school provide dental health education to the children?
  
2. Checklist for activities which encourage dental health promotion and preventive program.
  - 2.1. Does the have any signals or other signs to encourage or persuade the student to brush their teeth (For example; local broadcasting).
  - 2.2. Does the school have school health volunteers or teachers to control brushing activities?
  
3. Checklist for children brushing behavior observation.
  - 3.1. Do the children have toothbrush and toothpaste?
  - 3.2. Do the children brush their teeth after lunch?

4. Checklist for pre-school behavior about oral fluoride tablet taking.
  - 4.1 Do pre-school children take oral fluoride tablet.
  
5. Checklist for school food preparation for children lunch.
  - 5.1 What kind of food do the school prepare for children lunch? Is it useful for health and dental health?
  
6. Checklist for food which have negative effect for dental health.
  - 6.1 Are there the dessert, snack and drink selling in this school?



## **APPENDIX 6**

### **Document search guideline**

#### **Guidelines for document search**

1. Does the school have the oral cavity examination record or report copy?
2. Do the teachers report the children oral status to children's parents via annual academic annual report?
3. Did the school include the dental health education program into course syllabus if not how could the teachers do?
4. Did the children receive dental sealant and recorded in personal health card?
5. Does the school have oral fluoride tablet intake record or report copy?
6. Does the school have any other document related to dental health promotion and preventive program?

## Curriculum Vitae

**Name** : Mr.Jeerasak Thipsoonthornchai

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Year of graduation	Degree Granted	Major/Field	Institution	Country
1990	D.D.S.	Dentistry	Fac. of Dentistry Khon Kaen University	Thailand
1994	Grad. Dip.in Dentistry	Periodontics	Fac. of Dentistry Khon Kaen University	Thailand
2001	Diplomate Thai Broad	Dental Public Health	Thai Dental Council	Thailand