

CHAPTER 6

CONCLUSION

In summary, Chula Dent pit and fissure sealant is clinically effective in comparison to a standard imported material after 6 months in service. Retention rates of both sealants were higher than 95%, and no carious lesion developed at the sealed surfaces. The application technique of sealant is simple and it can be manufactured at a reasonable cost. The low cost and availability of a local-made pit and fissure sealant will be a supplement to the dental profession. Taking these into account, Chula Dent will be a useful material to the dental preventive therapy. Future research should determine the long-term follow-up of the new local material and the evaluation of cost effectiveness of the material. Finally this project will eventually lead to better dental health of the Thai population.