

**The Effect of Counseling Using Diorama Media on the Level of Knowledge  
and Interest in Dental Conservation Treatment in Children  
with Intellectual Disabilities**

Zahrotul Khoiriah\*, Wiworo Haryani, Siti Hidayati  
Dental Nursing Department Of Ministry Of Health Polytechnic Of Yogyakarta  
Jl. Kyai Mojo No. 56 Pingit, Yogyakarta, Daerah Istimewa Yogyakarta, 55243  
\*Email: [zahrozahrotul94@gmail.com](mailto:zahrozahrotul94@gmail.com)

**ABSTRACT**

**Background :** Children with special needs (ABK), especially mentally impaired, have a low level of knowledge about maintaining dental and oral health and hygiene compared to normal children. Efforts to increase the level of knowledge and interest in carrying out dental conservation treatment are by providing counseling on dental conservation treatment using diorama media.

**Purpose :** To find out the effect of counseling using diorama media on the level of knowledge and interest in dental conservation care for mentally retarded children.

**Method :** This study is a *Quasi Experiment with a Pretest – Posttest Nonequivalent Control Group Design*. Sampling used a *total sampling* technique with a sample of 52 students with mental retardation at SLB Bangun Putra. The research used a *pretest-posttest* questionnaire. Normal undistributed data analyzed using the *Wilcoxon Signed Ranks Test* and *Mann-Whitney U Test*.

**Result :** Knowledge of mentally retarded children before counseling using diorama media with low criteria of 69.2%, and after promotion became a high criterion of 80.8%. Interest of mentally retarded children before counseling using diorama media with a low criterion of 84.6%, and after promotion became a high criterion of 84.6%. The *Wilcoxon Signed Ranks Test* were obtained  $p=0.000$  ( $p<0.05$ ). The *Mann-Whitney U Test* obtained  $p=0.000$  so that there was a significant influence.

**Conclusion :** Counseling using diorama media increases the level of knowledge and interest in dental conservation care in children with intellectual disabilities.

**Keywords :** Diorama media, knowledge, interests, dental conservation care, intellectual impairment