

# **PENGARUH PENYULUHAN MENGGUNAKAN DHAZZLE TERHADAP PENGETAHUAN TENTANG KARIES GIGI PADA SISWA TUNAGRAHITA**

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## **ABSTRAK**

**Latar Belakang:** Anak tunagrahita mengalami kesulitan untuk fokus maka pemberian penyuluhan dengan cara yang menarik perlu dilakukan, salah satunya dengan metode permainan edukatif *puzzle*. Hasil studi pendahuluan menunjukkan 70% siswa tunagrahita memiliki pengetahuan tentang karies gigi yang buruk.

**Tujuan Penelitian:** Diketuinya pengaruh penyuluhan menggunakan DHAZZLE terhadap pengetahuan tentang karies gigi pada siswa tunagrahita.

**Metode Penelitian:** Jenis penelitian ini adalah kuasi eksperimental dengan teknik *purposive sampling* dengan jumlah sampel 39 siswa tunagrahita ringan. Variabel penelitian ini, yaitu permainan edukatif DHAZZLE sebagai variabel bebas dan pengetahuan tentang karies gigi sebagai variabel terikat. Pengetahuan tentang karies gigi diukur menggunakan instrumen berupa kuesioner. Penelitian ini menggunakan uji hipotesis *Wilcoxon Signed Rank Test*.

**Hasil Penelitian:** Tingkat pengetahuan tentang karies gigi sebelum dilakukan penyuluhan berada pada kategori sedang (51,3%). Seluruh siswa (100%) memiliki pengetahuan kategori baik setelah dilakukan penyuluhan menggunakan DHAZZLE. Rata-rata sebelum dilakukan penyuluhan, yaitu 11,28 dan meningkat sebanyak 3,14 menjadi 14,44 setelah dilakukan penyuluhan. Hasil uji *Wilcoxon Signed Rank Test* menunjukkan nilai signifikansi 0,000.

**Kesimpulan:** Penyuluhan menggunakan DHAZZLE berpengaruh terhadap pengetahuan tentang karies gigi pada siswa tunagrahita.

**Kata Kunci:** *Dental health puzzle*, pengetahuan, karies gigi, tunagrahita

# **THE EFFECT OF HEALTH PROMOTION USING DHAZZLE TOWARDS DENTAL CARIES KNOWLEDGE OF STUDENT WITH MENTAL RETARDATION**

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## **ABSTRACT**

**Background:** Children with mental retardation experience difficulties to focus on things, therefore giving health promotion with an interesting way is needed. For example, using an educative game method like puzzle. The early study shows that 70% students have bad dental caries knowledge.

**Purpose:** Determined the effect of health promotion using DHAZZLE towards dental caries knowledge of student with mental retardation.

**Method:** The type of this research was quasi experiment with purposive sampling technique with the total of 39 light mental retarded students. The variables of this research are DHAZZLE as independent variable and dental caries knowledge as dependent variable. The dental caries knowledge was measured using an instrument which was questionnaire. This research used Wilcoxon Signed Rank Test to prove the hypothesis.

**Result:** Dental caries knowledge of the students before the health promotion was categorized as middle (51,3%). All the students (100%) dental caries knowledge was categorized as great after the health promotion using DHAZZLE was given. The average score of dental caries knowledge before the health promotion was 11,28, then it increased by 3,14 to 14,44 after the health promotion was held. The result of Wilcoxon Signed Rank Test showed that the significancy value  $p=0,000$ .

**Conclusion:** Health promotion using DHAZZLE gives effect towards dental caries knowledge of student with mental retardation.

**Keywords:** Dental health puzzle, knowledge, dental caries, mental retardation