

**THE INFLUENCE OF *BUSY BOOK* MEDIA ON DENTAL CARIES  
TOWARD KNOWLEDGE OF DENTAL CARIES IN CHILDREN  
ELEMENTARY SCHOOL**

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**ABSTRACT**

**Background :** Preliminary studies conducted each of 10 students found 80% in SDN 1 Bumirejo Wonosobo and 70% in SDN 1 Pungangan Wonosobo did not understand the knowledge of dental caries. From the results of dental and oral examination at SDN 1 Bumirejo Wonosobo and SDN 1 Pungangan Wonosobo 70% of students have dental caries.

**Purpose :** To knowing the influence of the Busy Book on dental caries on dental caries knowledge in elementary school children.

**Method :** This research is *quasi experiment with non equivalent control group design*. The population is the fourth grade of elementary school children in SDN 1 Bumirejo Wonosobo and SDN 1 Pungangan Wonosobo. The sample consisted of 56 students aged 10-11 years, 28 students were in the experimental group who were given counseling with the Busy Book media and 28 students were the control group who were given counseling using the lecture method. Data analysis used the Wilcoxon Test to determine the pretest and posttest values of dental caries, the Mann-Whitney Test to find out the comparison of dental caries knowledge between the experimental and control groups

**Result :** The difference in the level of knowledge of dental caries in both categories in the experimental group was 53.57% and the control group was 42.85%, the Wilcoxon-Test Test analysis showed differences in the value of  $p=0.00$  ( $p<0.05$ ). Mann-Whitney analysis shows the mean rank of the experimental group  $41.00>16.00$  the control group. There is a significant difference between counseling with Busy Book media and counseling using lecture method on the level of dental caries knowledge.

**Conclusion :** Busy Media Books as a media to promote oral health to increase knowledge about dental caries in elementary school students

**Keywords :** Busy Book, Dental Caries Knowledge

# PENGARUH MEDIA *BUSY BOOK* TENTANG KARIES GIGI TERHADAP PENGETAHUAN KARIES GIGI PADA ANAK SEKOLAH DASAR

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## ABSTRAK

**Latar Belakang :** Study pendahuluan dilakukan masing-masing 10 siswa didapatkan 80% di SDN 1 Bumirejo Wonosobo dan 70% di SDN 1 Pungangan Wonosobo belum memahami pengetahuan karies gigi. Dari hasil pemeriksaan gigi dan mulut di SDN 1 Bumirejo Wonosobo dan SDN 1 Pungangan Wonosobo 70% siswa mempunyai karies pada gigi.

**Tujuan Penelitian :** Untuk mengetahui pengaruh media *Busy Book* tentang karies gigi terhadap pengetahuan karies gigi pada anak sekolah dasar.

**Metode Penelitian :** Penelitian ini adalah *quasi experiment* dengan rancangan *non equivalent control group*. Instrument penelitian menggunakan kuesioner karies gigi dan cara mengukur pengetahuan menggunakan data ordinal. Populasi penelitian siswa kelas IV SDN 1 Bumirejo Wonosobo dan SDN 1 Pungangan Wonosobo. Sampel berjumlah 56 siswa usia 10-11 tahun, 28 siswa merupakan kelompok eksperimen yang diberikan penyuluhan dengan media *Busy Book* dan 28 siswa merupakan kelompok kontrol yang diberikan penyuluhan menggunakan metode ceramah. Analisis data menggunakan *Wilcoxon Test* untuk mengetahui nilai *pretest dan posttest* tentang karies gigi, *Mann-Whitney Test* untuk mengetahui perbandingan pengetahuan karies gigi antara kelompok eksperimen dan kelompok kontrol

**Hasil Penelitian :** Selisih tingkat pengetahuan karies gigi dengan kategori baik pada kelompok eksperimen 53,57% dan kelompok kontrol 42,85%, analisis *Uji Wilcoxon-Test* menunjukkan nilai  $p=0,00$  ( $p<0,05$ ). Analisis *Mann-Whitney* menunjukkan *mean rank* kelompok eksperimen 41,00 > 16,00 kelompok kontrol. Terdapat perbedaan yang signifikan antara penyuluhan dengan media *Busy Book* dan penyuluhan menggunakan metode ceramah terhadap tingkat pengetahuan karies gigi.

**Kesimpulan :** Media *Busy Book* sebagai media promosi kesehatan gigi dan mulut berpengaruh untuk meningkatkan pengetahuan karies gigi pada siswa sekolah dasar.

**Kata Kunci :** *Busy Book*, Pengetahuan Karies Gigi