

## INTISARI

### PENGARUH TINGKAT KEBISINGAN LINGKUNGAN SEKOLAH TERHADAP PROSES BELAJAR MENGAJAR SISWA DI SDN KARANGASEM II NO. 172 SURAKARTA

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**Latar Belakang:** Lingkungan sekolah yang kurang nyaman akibat kebisingan membuat siswa mengalami gangguan dalam proses belajarnya. Berdasarkan studi pendahuluan diketahui 85% siswa sering mengalami gangguan konsentrasi belajar akibat kebisingan lalu lintas jalan raya yang sangat padat.

**Tujuan Penelitian:** Untuk mengetahui pengaruh tingkat kebisingan lingkungan sekolah terhadap proses belajar mengajar siswa di SDN Karangasem II No. 172 Surakarta.

**Metode Penelitian:** Penelitian ini merupakan penelitian *deskriptif korelasional* dengan desain penelitian *cross sectional comparative*. Teknik pengambilan sampel dengan menggunakan teknik *simple random sampling* sehingga diperoleh jumlah sampel kelas yang berada dekat dengan jalan raya sebanyak 48 siswa dan sampel kelas yang berada jauh dari jalan raya sebanyak 52 siswa. Alat ukur kebisingan dengan sound level meter (SLM) dan proses belajar mengajar siswa dengan menggunakan kuesioner. Teknik analisis data menggunakan analisis korelasi *chi square*.

**Hasil Penelitian:** Dari hasil analisis diketahui mayoritas siswa berjenis kelamin perempuan, berusia 8 tahun atau kelas II SD pada kelas terpapar kebisingan  $\leq$  NAB dan berusia 12 tahun atau kelas VI SD pada kelas VI SD. Hasil analisa univariat diketahui pada kelas terpapar kebisingan  $>$  NAB memiliki rata-rata intensitas kebisingan sebesar 70,37 dB dan pada kelas yang terpapar kebisingan  $\leq$  NAB memiliki rata-rata intensitas kebisingan sebesar 38,97 dB. Hasil analisis bivariat diperoleh *p value* (0,000)  $<$  0,05. Hal ini dapat diartikan bahwa ada pengaruh tingkat kebisingan lingkungan sekolah terhadap proses belajar mengajar siswa.

**Simpulan:** Terdapat pengaruh tingkat kebisingan lingkungan sekolah terhadap proses belajar mengajar siswa di SDN Karangasem II No. 172 Surakarta.

**Kata Kunci:** tingkat kebisingan lingkungan sekolah, proses belajar mengajar siswa

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## ABSTRACT

### **THE INFLUENCE OF SCHOOL ENVIRONMENTAL NOISE LEVEL TO LEARN TOWARD TEACH STUDENT PROCESS IN KARANGASEM II NUMBER 172 STATE-OWNED ELEMENTARY SCHOOL OF SURAKARTA**

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**Backgroun:** Less balmy school environment effect of noise make the student experience of the trouble in learning process. The results of a previews study trough the observation and interview known that 85% students often experience of the concentration trouble learn because they feel annoyed with the very solid roadway traffic noise and teacher feel the process learn to teach the student become very annoyed where the teacher more regular voice very articulate to make balance to the extramural traffic noise.

**Purpose:** to identify the influence of school environmental noise level to learn to teach student process in Karangasem II Number 172 State-Owned Elementary School of Surakarta.

**Method:** This research was a decriptive correlational with cross sectional comparative design. The sampling technique used was simple random sampling so that obtained sum up the sampel class residing in close to roadway counted 48 students and sampel class residing in great off street counted 52 students. Measuring instruments noise was use sound level meter (SLM) and learn to teach students was use questioner. Meanwhile, data was analyzed by using chi square correlation.

**Result:** From analysis result known that majority students women in gender, age 8 year old or II class elementary school at class of having noise  $< NAB$  and age 12 year old or VI class elementary school at class of having noise  $> NAB$ . Univariat result analyze known that at class of having noise  $> NAB$  owning mean of noise intensity equal to 70,37 dB and at class of having noise  $\leq NAB$  owning mean of noise intensity equal to 38,97 dB. Bivariat result analyze get obtained p value  $(0,000) < 0,05$ . This matter means that there was influence of school environmental noise level to learn to teach student process.

**Conclusion:** School environment noise level influenced significant toward learning to teach student process in Karangasem II Number 172 State-Owned Elementary School of Surakarta.

**Key word:** school environment noise level, learn to teach student process

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