

PERBEDAAN AMBANG BATAS PENDENGARAN PERAJIN LOGAM ARIT DAN  
PERAJIN LOGAM PISAU DI DESA HADIPOLO KECAMATAN JEKULO KABUPATEN  
KUDUS

WARDIYANTO -- E2A3000137  
(2005 - Skripsi)

Telah di laksanakan suatu studi penelitian dengan menggunakan metode *explanatory* dengan pendekatan *cross sectional study* dengan jumlah sampel sebanyak 64 tenaga kerja ,pengumpulan data dilakukan pada tahun 2002.Hasil pra survei tingkat kebisingan pada perajin logam arit dan logam pisau di Desa Hadipolo Kecamatan Jekulo Kabupaten Kudusdiketahui antara 90 sampai dengan 103 dBA.Untuk mengetahui perbedaan ambang batas pendengaran perajin logam arit dan perajin logam pisau di Desa Hadipolo dilakukan terhadap tenaga kerja dengan lama kerja minimal 5 tahun, umur antara 22 hingga 50 tahun dan paparan terhadap kebisingan minimal 4 jam.

Di peroleh hasil penelitian ada perbedaan antara ambang batas pendengaran tenaga kerja perajin logam arit dengan logam pisau dengan tingkat signifikansi alfa = 5%, terhadap hubungan antara ambang pendengaran dengan lama kerja, sedangkan terhadap umur tidak terjadi hubungan.Terjadinya perbedaan di ketahui dari adanya selisih perbedaan rambatan bunyi dari masing-masing bahan baku arit dari logam besi kecepatan 5130 meter/detik sedangkan bahan baku pisau dari logam baja kecepatan 5060 meter/detik, antara keduanya terdapat selisih beda kecepatan perambatan 70 meter/detik.(alfa 5%,p = 0,000, SD arit = 9,45, SD pisau =10,08,  $t_{hitung}$  4,982 >  $t_{tabel}$  2,048).

**Kata Kunci:** Ambang Batas Pendengaran,Logam Arit,Logam Pisau

THE DIFFERENCE OF SENCE OF HEARNING LIMIT THRESHOLD BETWEEN THE  
SICKLE METAL ARTISAN AND THE KNIFE METAL ARTISAN IN HADIPOLO  
VILLAGE OF JEKULO SUBDISTRICT OF KUDUS REGENCY

*A study has been done by using explanatory method and by the cross sectional study approach by the sample of 64 workers, the data collection was done 2002. The result of noise level pre survey to the sickle metal artisan in Hadipolo village of Jekulo subdistrict of Kudus regency is 90 dBA. To know the difference of sence of hearing limit threshold of sickle metal artisan and knife metal artisan in Hadipolo, a research was done to the workers with minimally 5 years work experince, the age was between 22 years old until 50 years old, and the explanation of the noise was minimally 4 hours. The result of the study is there is a difference between the sence of hearing limit threshold of sickle metal artisan workers and of knife metal artisan workers with alfa 5% significant level, there is a relation between sence of hearing limit threshold and the length of work period, and theris no relation between sence of hearing limit threshold and the age. The difference is know from the existence of sound propogation difference of each material. The sound propogation of metal sickle material is 5130 meter/second while the sound propogation of steel knife material is 5060 meter/second, between them, there is a difference in the speed of propogation about 70 meter/second. (Alfa 5% ,  $p = 0,000$ , the SD of sickle = 9,45, the SD of knife = 10,08,  $t_{count} 4,982 > t_{tables} 2,048$ ).*

**Keyword:** *Sence of Hearning Limit Threshold, Sickle Metal, Knife Metal*