

PERBEDAAN RERATA PENURUNAN KAPASITAS VITAL PARU PEKERJA KAPUR  
PERUSAHAAN SARI AGUNG DAN PERUSAHAAN GIRI ALAM DI DESA  
DARMAKRADENAN KECAMATAN AJIBARANG KABUPATEN BANYUMAS

EDY SUKARSO -- E2A303062  
(2005 - Skripsi)

Dalam jangka panjang paparan debu dapat menyebabkan perubahan yang menetap pada faal paru, dampak pemaparan debu yang terus menerus dapat menurunkan faal paru. Penelitian ini bertujuan untuk mengetahui perbedaan rerata penurunan kapasitas vital paru pekerja pada perusahaan Sari Agung dan Giri Alam desa Darmakradenan Kecamatan Ajibarang Kabupaten Banyumas dan menggunakan metode analitik yang bersifat "*Explanatory Research*" dengan pendekatan "*Cross Sectional*" sebanyak 16 orang. Dalam penelitian ini di ambil daya total sampel. Analisis univariat dan bivariat dengan *t-test sample* bebas (*Independent Sample T-test*) di gunakan untuk menganalisis data. Hasil penelitian di peroleh bahwa tidakada perbedaan rerata penurunan kapasitas vital paru pekerja kapur perusahaan Sari Agung dan Giri Alam desa Darmakradenan Kecamatan Ajibarang Kabupaten Banyumas VC:  $p=0.978 > \alpha=0.05$   $df=14$   $t_0=-0.842 < t=2.14$  FVC:  $p=0.759 > \alpha=0.05$   $df=14$   $t_0=0.312 < t=2.14$ ; FEV1:  $p=0.897 > \alpha=0.05$   $df=14$   $t_0=-0.132 < t=2.14$ ; PERF:  $p=0.678 > \alpha=0.05$   $df=14$   $t_0=-0.425$

**Kata Kunci:** debu kapur, kapasitas vital paru

THE COMPARISON BETWEEN LUNG CAPACITY LIME STONE WORKERS AND LUNG  
CAPACITY OF SAW MILLS WORKERS SARI AGUNG AND GIRI ALAM IN  
DARMAKRADENAN VILLAGE ,AJIBARANG,BANYUMAS

*long term duration of grit level exposure may cause lung disorder among workers in lime stone industry. This research aimed to determine the comparison between lung capacity of lime stone workers and lung capacity of saw mills workers at Sari Agung and Giri Alam factories. The method as explanatory using cross sectional design. Lung examination among workers and dust measurement in the working environment were significant different lung. Capacity of lime stone workers and lung capacity of saw mills workers at Sari Agung and Giri Alam in Darmakradenan village, Ajibarang, Banyumas Regency VC:  $p=0.978 > \alpha=0.05$   $df=14$   $t_o=-0.842 < t=2.14$  FVC:  $p=0.759 > \alpha=0.05$   $df=14$   $t_o=0.312 < t=2.14$ ; FEV1:  $p=0.897 > \alpha=0.05$   $df=14$   $t_o=-0.132 < t=2.14$ ; PERF:  $p=0.678 > \alpha=0.05$   $df=14$   $t_o=-0.425$*

**Keyword:** paru lime stone dust and lung capacity