

**FAKULTAS KESEHATAN MASYARAKAT  
UNIVERSITAS ANDALAS**

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**ANALISIS RISIKO KESELAMATAN DAN KESEHATAN KERJA PADA PEKERJA PANDAI BESI DI NAGARI TAPI SELO TANAH DATAR TAHUN 2016**

xiii + 109 halaman, 28 tabel, 6 gambar, 11 lampiran

**ABSTRAK**

**Tujuan**

Usaha pandai besi di Nagari Tapi Selo menghasilkan produk berupa sabit, parang, dan pisau. Pada proses produksi terjadi kecelakaan kerja dalam 5 tahun terakhir dengan persentase luka bakar 100% dan cedera parah 60% yang dapat merugikan dan mengganggu kegiatan produksi. Untuk itu perlu dilakukan analisis risiko keselamatan dan kesehatan kerja pada pekerja pandai besi di Nagari Tapi Selo.

**Metode**

Jenis penelitian ini adalah kualitatif deskriptif dengan metode analisis risiko keselamatan dan kesehatan kerja. Pengumpulan data dilakukan dengan wawancara dan observasi, sedangkan teknik pemilihan sampel dilakukan dengan *purposive sampling*. Pengolahan data dilakukan dengan mengidentifikasi bahaya, jenis bahaya dan risiko pada setiap tahapan kerja. Analisis data menggunakan *risk matriks* untuk mengetahui tingkat risiko.

**Hasil**

Berdasarkan hasil identifikasi bahaya pada proses pekerjaan pandai besi terdapat 14 bahaya pada tahapan pemotongan besi dengan 1 *extreme risk*, 7 *high risk*, 4 *moderate risk*, dan 2 *low risk*; 14 bahaya pada tahapan pembentukan besi dengan 1 *extreme risk*, 7 *high risk*, 4 *moderate risk*, dan 2 *low risk*, 3 bahaya pada tahapan penyepuhan besi dengan 1 *extreme risk*, 1 *high risk*, dan 1 *low risk* dan 5 bahaya pada tahapan pengasahan besi dengan 2 *high risk*, 2 *moderate risk*, dan 1 *low risk*.

**Kesimpulan**

Kesimpulan penelitian ini terdapat risiko yang terbagi atas 3 *extreme risk*, 17 *high risk*, 10 *moderate risk*, dan 6 *low risk*. Disarankan kepada pemerintah setempat untuk mengadakan penyuluhan dan pelatihan mengenai keselamatan dan kesehatan kerja di usaha pandai besi.

**Daftar Pustaka** : 32 (1970-2016)

**Kata Kunci** : Analisis risiko, Pandai besi, Pekerja, Keselamatan dan kesehatan kerja

**FACULTY OF PUBLIC HEALTH  
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**THE ANALYSIS OF OCCUPATIONAL HEALTH AND SAFETY RISK OF  
BLACKSMITH WORKERS AT NAGARI TAPI SELO TANAH DATAR IN  
2016**

xii + 109 pages, 28 tables, 6 pictures, 11 appendices

**ABSTRACT**

**Objective**

Blacksmith business in Nagari Tapi Selo produced such as sickles, machetes, and knives. Accidents occurred during production processing the last 5 years with the percentage of burns 100% and 60% of severe injuries that could harm and disrupt production activities. It was necessary to do risk analysis on the health and safety of blacksmith workers in Nagari Tapi Selo.

**Method**

The type of this research was qualitative descriptive analysis method of occupational health and safety risks. Data collection was done by interview and observation while the technique of sample selection was done by purposive sampling. Data processing was done by identifying the hazard, the type of hazard, and risk at each stage of work. Data analysis was done by using risk matrix to determine the level of risk.

**Result**

Based on the identification of hazards on the work of blacksmith there were 14 hazards on the stage of cutting the iron with 1 extreme risk, 7 high risks, 4 moderate risks, and 2 low risks ; 14 hazards on the stage of shaping the iron with 1 extreme risk, 7 high risks, 4 moderate risks, and 2 low risks ; 3 hazards on the stage of plating the iron with 1 extreme risk, 1 moderate risk, and 1 low risk and 5 hazards on the stage of grinding the iron with 2 high risks, 2 moderate risks and 1 low risk.

**Conclusion**

The conclusion of this research was there were risks that were divided into 3 extreme risks, 17 high risks, 10 moderate risk and 6 low risks. It was advised to the local authorities to hold a counseling and training of occupational health and safety in blacksmith business.

**Reference** : 32 (1970-2016)

**Keywords** : Risk analysis, Blacksmith, Workers, Occupational health and safety