



**UNIVERSITAS ANDALAS**

**ANALISIS RISIKO PEKERJAAN MENGGUNAKAN METODE HIRARC  
(HAZARD IDENTIFICATION, RISK ASSESSMENT & RISK CONTROL)  
PADA BAGIAN PELAYANAN KEHANDALAN DISTRIBUSI LISTRIK  
DI PT. HALEYORA POWER KOTA PADANG TAHUN 2017**

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**FAKULTAS KESEHATAN MASYARAKAT**

**UNIVERSITAS ANDALAS**

**PADANG, 2018**

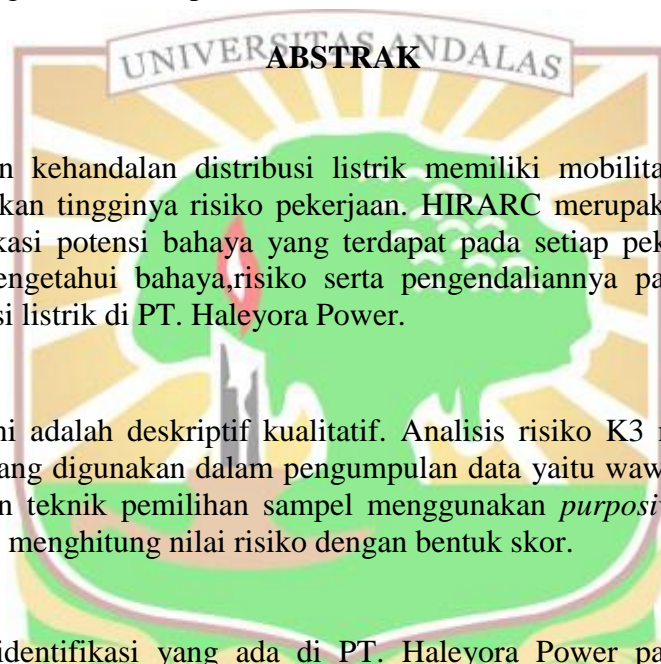
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**Skripsi, Januari 2018**

**INDAH PURNAMA SARI, No. BP. 1311211117**

**ANALISIS RISIKO PEKERJAAN MENGGUNAKAN METODE HIRARC (*HAZARD IDENTIFICATION, RISK ASSESSMENT AND RISK CONTROL*) PADA BAGIAN PELAYANAN KEHANDALAN DISTRIBUSI LISTRIK DI PT. HALEYORA POWER KOTA PADANG TAHUN 2017**

ix + 176, 31 tabel, 4 gambar, 6 lampiran



**Tujuan**

Pekerjaan pelayanan kehandalan distribusi listrik memiliki mobilitas dan urgensi tinggi sehingga menyebabkan tingginya risiko pekerjaan. HIRARC merupakan salah satu metode untuk mengidentifikasi potensi bahaya yang terdapat pada setiap pekerjaan. Penelitian ini bertujuan untuk mengetahui bahaya, risiko serta pengendaliannya pada bagian pelayanan kehandalan distribusi listrik di PT. Haleyora Power.

**Metode**

Desain penelitian ini adalah deskriptif kualitatif. Analisis risiko K3 menggunakan metode HIRARC. Teknik yang digunakan dalam pengumpulan data yaitu wawancara, dan observasi lapangan, sedangkan teknik pemilihan sampel menggunakan *purposive sampling*. Analisis data dimulai dengan menghitung nilai risiko dengan bentuk skor.

**Hasil**

Berdasarkan hasil identifikasi yang ada di PT. Haleyora Power pada bagian pelayanan kehandalan distribusi listrik, ditemukan pada pekerjaan penanganan gangguan APP pasca bayar dan APP pra bayar 6 risiko sedang, SR 7 risiko sedang dan 1 rendah, JTR 3 risiko tinggi, 6 sedang dan 1 rendah, gardu 2 risiko tinggi dan 7 sedang, JTM 1 risiko tinggi dan 10 sedang serta SKTM 6 risiko sedang yaitu berupa kendaraan operasional dan pengemudi tidak fit, berkendara sambil menyisir jaringan, tumpuan berdiri, kabel bertegangan, material dan alat kerja, posisi kerja, ketinggian area kerja, tangga, bekerja saat hujan, paparan matahari, gerakan berulang, tekanan psikologis, trafo bertegangan, konduktor kubikel, debu, asap rokok, api, lebah tiang, jam istirahat, *lost contact* kabel serta benda tumpul.

**Kesimpulan**

Kesimpulan penelitian ini terdapat risiko terbagi atas 6 risiko tinggi, 48 risiko sedang dan 2 rendah. Disarankan kepada perusahaan untuk meningkatkan perhatian dalam penegakan K3 serta meningkatkan penerapan Undang-undang dengan penerapan SMK3 perusahaan.

**DAFTAR PUSTAKA : 55 (1970-2017)**

**KATA KUNCI : Analisis Risiko, HIRARC, Keselamatan dan Kesehatan Kerja**

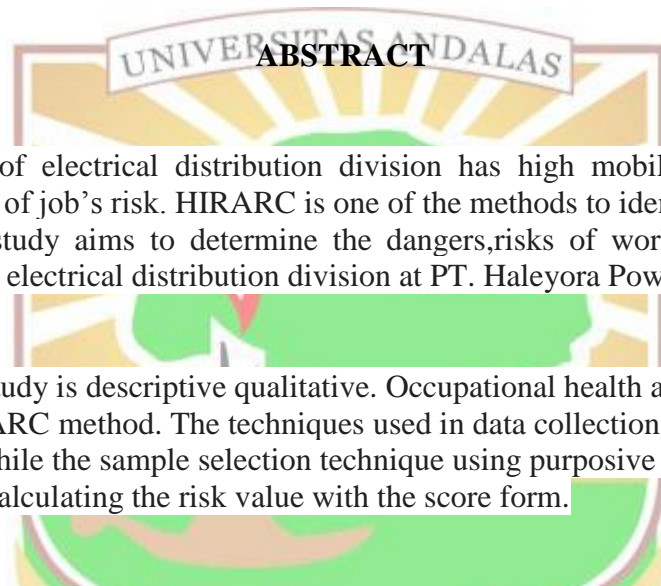
**FACULTY OF PUBLIC HEALTH  
ANDALAS UNIVERSITY**

**Undergraduate Thesis, January 2018**

**INDAH PURNAMA SARI, No. BP. 1311211117**

**OCCUPATIONAL RISK ANALYSIS USING HIRARC (HAZARD IDENTIFICATION, RISK ASSESSMENT & RISK CONTROL) METHOD AT RELIABILITY SERVICE OF ELECTRICAL DISTRIBUTION DIVISION IN PT. HALEYORA POWER PADANG ON 2017**

ix + 176 pages, 31 tables, 4 pictures, 6 attachments



**ABSTRACT**

**Objective**

Reliability service of electrical distribution division has high mobility and urgency that caused the high rate of job's risk. HIRARC is one of the methods to identify potential hazards in each job. This study aims to determine the dangers, risks of work and control on the reliability service of electrical distribution division at PT. Haleyora Power.

**Method**

The design of this study is descriptive qualitative. Occupational health and safety risk analysis using HIRARC method. The techniques used in data collection are interview and field observation, while the sample selection technique using purposive sampling. The data analysis begins by calculating the risk value with the score form.

**Result**

Based on the identification results in PT. Haleyora Power on reliability service of electrical distribution division, the disturbance handling of post-paid and pre-paid gauges has 6 medium risk, house connection has 7 medium and 1 low risk, low voltage network has 3 high, 6 medium, and 1 low risk, distribution substation has 2 high and 7 medium risk, medium voltage network has 1 high and 10 medium risk, and also medium voltage cable channel has 6 medium risk that consists of unfit operational vehicle and driver, driving while looking for disturbance, standing pillar, electrified cable, work tools and material, work position, work area height, ladder, working when rains, sun heat, repetitive motion, psychological pressure, electrified trafo, cubicle conductor, dust, cigar smoke, fire, pole bees, break time, lost contact cable and obtuse tools.

**Conclusion**

The conclusion of this research is risk divided into 6 high risk, 48 medium risk and 2 low risk. It is advisable to the company to increase attention in OSH enforcement as well as to improve the application of the Act with the application of company's OSH system and management.

**REFERENCES : 55 (1970-2017)**

**KEYWORDS : Risk Analysis, HIRARC, Occupational Health and Safety**