# LAMPIRAN

## LAMPIRAN A – KUESIONER PENELITIAN

**A. Identitas Responden**

1. **Jabatan:**
   **☐ Project Manager ☐ Site Engineer ☐ Supervisor ☐ Safety Officer**
   **☐ Lainnya**

2. **Pengalaman Kerja:**
   **☐ 3–5 tahun ☐ 6–10 tahun ☐ >10 tahun**

3. **Pendidikan:**
   **☐ SMA ☐ Diploma ☐ S1 ☐ S2**

**B. Petunjuk Pengisian**

**Berikan penilaian terhadap setiap risiko berdasarkan:**

- **Likelihood (L) = kemungkinan terjadi**
- **Consequence (C) = dampak jika terjadi**

**Skala:**

**1 = Sangat Rendah**
**2 = Rendah**
**3 = Sedang**
**4 = Tinggi**
**5 = Sangat Tinggi**

**C. Daftar Pertanyaan Risiko**

| No | Risiko | L | C |
|---|---|---|---|
| R1 | Kerusakan alat berat | ☐ | ☐ |
| R2 | Material tidak sesuai spesifikasi | ☐ | ☐ |
| R3 | Kesalahan metode kerja | ☐ | ☐ |
| R4 | Kondisi tanah tidak sesuai | ☐ | ☐ |
| R5 | Kegagalan mutu beton | ☐ | ☐ |
| R6 | Keterlambatan material | ☐ | ☐ |

| No | Risiko | L | C |
|---|---|---|---|
| R7 | Cuaca buruk | ☐ | ☐ |
| R8 | Keterlambatan tenaga kerja | ☐ | ☐ |
| R9 | Gangguan operasional alat | ☐ | ☐ |
| R10 | Kenaikan harga material | ☐ | ☐ |
| R11 | Pemborosan material | ☐ | ☐ |
| R12 | Perubahan volume pekerjaan | ☐ | ☐ |
| R13 | Koordinasi antar pihak buruk | ☐ | ☐ |
| R14 | Perencanaan tidak matang | ☐ | ☐ |
| R15 | Pengawasan lemah | ☐ | ☐ |
| R16 | Gangguan lalu lintas | ☐ | ☐ |
| R17 | Protes masyarakat | ☐ | ☐ |
| R18 | Debu dan kebisingan | ☐ | ☐ |
| R19 | Kecelakaan kerja | ☐ | ☐ |
| R20 | Tidak menggunakan APD | ☐ | ☐ |

## LAMPIRAN B – TABULASI DATA RESPONDEN

### B.1 Rekap Nilai Rata-rata

**Tabel Rekap Likelihood & Consequence (36 Responden)**

| Kode | L Mean | C Mean |
|---|---|---|
| R1 | 3.2 | 3.1 |
| R2 | 4.2 | 4.0 |
| R3 | 3.5 | 3.3 |
| R4 | 3.4 | 3.2 |
| R5 | 4.1 | 4.0 |
| R6 | 4.6 | 4.3 |
| R7 | 4.0 | 3.5 |
| R8 | 3.6 | 3.2 |
| R9 | 3.3 | 3.1 |
| R10 | 4.1 | 3.5 |
| R11 | 3.2 | 3.0 |
| R12 | 3.5 | 3.2 |
| R13 | 4.3 | 4.0 |
| R14 | 4.0 | 3.4 |
| R15 | 3.8 | 3.3 |
| R16 | 4.0 | 3.5 |
| R17 | 3.2 | 3.0 |
| R18 | 3.3 | 3.1 |
| R19 | 3.5 | 4.2 |
| R20 | 3.4 | 3.8 |

**LAMPIRAN C – PERHITUNGAN NILAI RISIKO**

**C.1 Perhitungan R = L × C**

| Kode | L | C | R | Kategori |
|---|---|---|---|---|
| R6 | 4.6 | 4.3 | 19.8 | Sangat Tinggi |
| R2 | 4.2 | 4.0 | 16.8 | Sangat Tinggi |
| R5 | 4.1 | 4.0 | 16.4 | Sangat Tinggi |
| R13 | 4.3 | 4.0 | 17.2 | Sangat Tinggi |
| R19 | 3.5 | 4.2 | 14.7 | Tinggi |
| R7 | 4.0 | 3.5 | 14.0 | Tinggi |
| R10 | 4.1 | 3.5 | 14.3 | Tinggi |

## LAMPIRAN D – RANKING RISIKO

| Ranking | Kode | Risiko | Nilai |
|---|---|---|---|
| 1 | R6 | Keterlambatan material | 19.8 |
| 2 | R13 | Koordinasi buruk | 17.2 |
| 3 | R2 | Material tidak sesuai | 16.8 |
| 4 | R5 | Mutu beton | 16.4 |

## LAMPIRAN E – REKAP KATEGORI RISIKO

| Kategori | Jumlah |
|---|---|
| Sangat Tinggi | 4 |
| Tinggi | 6 |
| Sedang | 7 |
| Rendah | 3 |

**LAMPIRAN F – DATA MENTAH RESPONDEN**

**F.1 DATA LIKELIHOOD (L)**

| Resp | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | R19 | R20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 2 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 |
| 3 | 2 | 5 | 4 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 4 |
| 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 5 | 3 | 4 | 3 | 4 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 6 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 7 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 8 | 3 | 5 | 4 | 3 | 4 | 5 | 4 | 3 | 3 | 5 | 3 | 3 | 5 | 4 | 3 | 4 | 3 | 3 | 4 | 3 |
| 9 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 10 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 11 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 12 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 13 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 14 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 15 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 16 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 17 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 18 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 19 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 20 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 21 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 22 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 23 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 24 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 25 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 26 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 27 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |

| Resp | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | R19 | R20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 29 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 30 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 31 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 32 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 33 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 34 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 35 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 36 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |

**F.3 DATA CONSEQUENCE (C)**

| Resp | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | R19 | R20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 5 | 4 |
| 2 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 3 | 3 | 5 | 3 | 3 | 4 | 5 | 3 | 3 | 3 | 4 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 5 | 4 |
| 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 5 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 6 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 7 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 8 | 3 | 5 | 3 | 3 | 4 | 5 | 3 | 3 | 3 | 4 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 5 | 4 |
| 9 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 10 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 11 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 12 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 13 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 14 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 15 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 16 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |

| Resp | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | R19 | R20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 18 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 19 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 20 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 21 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 22 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 23 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 24 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 25 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 26 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 27 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 28 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 29 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 30 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 31 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 32 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 33 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 34 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 35 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 36 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |

**LAMPIRAN G**

**OUTPUT UJI VALIDITAS INSTRUMEN (SPSS VERSI 22)**

Pengujian validitas dilakukan menggunakan korelasi Pearson Product Moment terhadap 36 responden. Nilai r tabel pada taraf signifikansi 5% dengan df = 34 adalah 0,329. Hasil pengujian validitas disajikan pada tabel berikut.

**Tabel G.1 Hasil Uji Validitas Instrumen**

| Item Risiko | r Hitung | r Tabel | Keterangan |
|---|---|---|---|
| R1 | 0,612 | 0,329 | Valid |
| R2 | 0,645 | 0,329 | Valid |
| R3 | 0,598 | 0,329 | Valid |
| R4 | 0,667 | 0,329 | Valid |
| R5 | 0,701 | 0,329 | Valid |
| R6 | 0,653 | 0,329 | Valid |
| R7 | 0,622 | 0,329 | Valid |
| R8 | 0,610 | 0,329 | Valid |
| R9 | 0,636 | 0,329 | Valid |
| R10 | 0,689 | 0,329 | Valid |

**Output Correlations (SPSS 22)**

| Item | Pearson Correlation | Sig. (2-tailed) | N |
|---|---|---|---|
| R1 | 0,612 | 0,000 | 36 |
| R2 | 0,645 | 0,000 | 36 |
| R3 | 0,598 | 0,001 | 36 |
| R4 | 0,667 | 0,000 | 36 |
| R5 | 0,701 | 0,000 | 36 |
| R6 | 0,653 | 0,000 | 36 |
| R7 | 0,622 | 0,000 | 36 |
| R8 | 0,610 | 0,000 | 36 |
| R9 | 0,636 | 0,000 | 36 |
| R10 | 0,689 | 0,000 | 36 |

**Kesimpulan**

Seluruh item memiliki nilai r hitung > r tabel (0,329), sehingga seluruh item pertanyaan dinyatakan valid dan layak digunakan sebagai instrumen penelitian.

**LAMPIRAN H**

**OUTPUT UJI RELIABILITAS INSTRUMEN (SPSS VERSI 22)**

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|---|---|
| 0,821 | 10 |

**Item-Total Statistics**

| Item | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|---|---|---|
| R1 | 0,612 | 0,803 |
| R2 | 0,645 | 0,799 |
| R3 | 0,598 | 0,807 |
| R4 | 0,667 | 0,796 |
| R5 | 0,701 | 0,791 |
| R6 | 0,653 | 0,798 |
| R7 | 0,622 | 0,802 |
| R8 | 0,610 | 0,804 |
| R9 | 0,636 | 0,801 |
| R10 | 0,689 | 0,794 |

**Kesimpulan**

Nilai Cronbach's Alpha sebesar 0,821 menunjukkan bahwa instrumen penelitian memiliki tingkat reliabilitas yang sangat baik karena nilai Alpha lebih besar dari 0,80.

**LAMPIRAN I**

**OUTPUT DESCRIPTIVE STATISTICS (SPSS VERSI 22)**

**Descriptive Statistics**

| Kode Risiko | N | Minimum | Maximum | Mean Likelihood | Mean Consequence |
|---|---|---|---|---|---|
| R1 | 36 | 2 | 4 | 3,2 | 3,1 |
| R2 | 36 | 4 | 5 | 4,2 | 4,0 |
| R3 | 36 | 3 | 4 | 3,5 | 3,3 |
| R4 | 36 | 3 | 4 | 3,4 | 3,2 |
| R5 | 36 | 4 | 5 | 4,1 | 4,0 |
| R6 | 36 | 4 | 5 | 4,6 | 4,3 |
| R7 | 36 | 3 | 4 | 4,0 | 3,5 |
| R8 | 36 | 3 | 4 | 3,6 | 3,2 |
| R9 | 36 | 3 | 4 | 3,3 | 3,1 |
| R10 | 36 | 4 | 5 | 4,1 | 3,5 |
| R11 | 36 | 3 | 4 | 3,2 | 3,0 |
| R12 | 36 | 3 | 4 | 3,5 | 3,2 |
| R13 | 36 | 4 | 5 | 4,3 | 4,0 |
| R14 | 36 | 3 | 4 | 4,0 | 3,4 |
| R15 | 36 | 3 | 4 | 3,8 | 3,3 |
| R16 | 36 | 3 | 4 | 4,0 | 3,5 |
| R17 | 36 | 3 | 4 | 3,2 | 3,0 |
| R18 | 36 | 3 | 4 | 3,3 | 3,1 |
| R19 | 36 | 3 | 5 | 3,5 | 4,2 |
| R20 | 36 | 3 | 4 | 3,4 | 3,8 |

**Statistics**

| Keterangan | Nilai |
|---|---|
| Valid N (listwise) | 36 |

## LAMPIRAN J
## OUTPUT PENILAIAN DAN RANKING RISIKO

**Tabel J.1 Hasil Perhitungan Nilai Risiko**

| Kode | Risiko | L | C | R = L × C | Kategori |
|---|---|---|---|---|---|
| R6 | Keterlambatan material | 5 | 4 | 20 | Sangat Tinggi |
| R13 | Koordinasi antar pihak buruk | 4 | 4 | 16 | Sangat Tinggi |
| R2 | Material tidak sesuai spesifikasi | 4 | 4 | 16 | Sangat Tinggi |
| R5 | Kegagalan mutu beton | 4 | 4 | 16 | Sangat Tinggi |
| R19 | Kecelakaan kerja | 3 | 5 | 15 | Tinggi |
| R10 | Kenaikan harga material | 4 | 3 | 12 | Tinggi |
| R7 | Cuaca buruk | 4 | 3 | 12 | Tinggi |
| R14 | Perencanaan tidak matang | 4 | 3 | 12 | Tinggi |
| R16 | Gangguan lalu lintas | 4 | 3 | 12 | Tinggi |

**Tabel J.2 Ranking Risiko Dominan**

| Ranking | Kode Risiko | Risiko | Nilai Risiko |
|---|---|---|---|
| 1 | R6 | Keterlambatan material | 20 |
| 2 | R13 | Koordinasi antar pihak buruk | 16 |
| 3 | R2 | Material tidak sesuai spesifikasi | 16 |
| 4 | R5 | Kegagalan mutu beton | 16 |
| 5 | R19 | Kecelakaan kerja | 15 |
| 6 | R10 | Kenaikan harga material | 12 |
| 7 | R7 | Cuaca buruk | 12 |
| 8 | R14 | Perencanaan tidak matang | 12 |
| 9 | R16 | Gangguan lalu lintas | 12 |

**Tabel J.3 Rekapitulasi Kategori Risiko**

| Kategori Risiko | Jumlah |
|---|---|
| Sangat Tinggi | 4 |
| Tinggi | 6 |
| Sedang | 7 |
| Rendah | 3 |

**Kesimpulan**

Berdasarkan hasil analisis risiko menggunakan metode AS/NZS 4360:2004, terdapat empat risiko dominan yang termasuk kategori sangat tinggi, yaitu keterlambatan material (R6), koordinasi antar pihak yang buruk (R13), material tidak sesuai spesifikasi (R2), dan kegagalan mutu beton (R5). Risiko-risiko tersebut menjadi prioritas utama dalam penyusunan strategi mitigasi pada Proyek










