**Tabel 1** Faktor emisi kendaraan bermotor di Indonesia

| Kategori | CO (g/km) | NOx (g/km) | PM10 (g/km) | SO2  (g/km) |
| --- | --- | --- | --- | --- |
| Sepeda Motor | 14 | 0.29 | 0.24 | 0.008 |
| Mobil penumpang | 32.4 | 2.3 | 0.12 | 0.11 |
| Bis | 11 | 11.9 | 1.4 | 0.93 |
| Truk | 8.4 | 17.7 | 1.4 | 0.82 |
| Pikap | 31.8 | 2 | 0.026 | 0.13 |
| Sedan | 33.8 | 1.9 | 0.004 | 0.023 |

*Sumber:* Peraturan Menteri Lingkungan Hidup No.12/2010

**Tabel 2** Faktor emisi berbasis bahan bakar

| Pencemar | Bensin | Solar |
| --- | --- | --- |
| CO (g/kg) | 497.7 | 7.4 |
| NOx (g/kg) | 6.64 | 14.91 |
| PM (g/kg) | 2.20 | 1.52 |

*Sumber:* CORINAIR (2009)

**Tabel 3** Kandungan Sulfur Tipikal dalam Bahan Bakar (1 ppm = 10-6 g/g bahan bakar)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Jenis Bahan Bakar | 1996 *Base Fuel (Market Average)* | BBM 2000 | BBM 2005 | BBM 2009 |
| Bensin | 165 | 130 | 40 | 40 |
| Solar | 400 | 300 | 40 | 8 |

*Sumber:* Sutrisno, Ana Megawati dkk (2016)

**Tabel 4** Beban emisi pendekatan VKT dan Konsumsi Bahan Bakar

| Parameter | Beban Emisi (ton/tahun) | |
| --- | --- | --- |
| VKT | Konsumsi Bahan Bakar |
| CO | 5376.9 | 63059.1 |
| NOx | 365.9 | 2090.1 |
| SO2 | 16.5 | 11.3 |
| PM10 | 69.3 | 404.2 |

*Sumber: Analisis Data (2022)*

**Tabel 5** Prediksi beban emisi tahun 2021 – 2025

| Parameter | Beban Emisi (ton/tahun) | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
| CO | 5376.9 | 5877.7 | 5938.0 | 5998.4 | 6058.8 | 6119.2 |
| NOx | 365.9 | 427.3 | 456.1 | 485.0 | 513.8 | 542.7 |
| SO2 | 16.5 | 19.2 | 20.7 | 22.1 | 23.5 | 24.9 |
| PM10 | 69.3 | 85.8 | 88.2 | 90.5 | 92.8 | 95.1 |

*Sumber: Analisis Data (2022)*