**Langkah 1**

**Strong Entity**

**J&T Express**

|  |  |  |
| --- | --- | --- |
| Nama\_PT | (Alamat\_PT) | No.Telp\_PT |

**Cabang**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Kode\_Cabang | Nama\_Cabang | (Alamat\_Cabang) | No.Telp\_Cabang | Jumlah\_Karyawan |

**Karyawan**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | (Nama) | (Alamat) | Jenis\_Kelamin | (Tgl\_Lahir) | (No.Telp) |

**Administrasi**

|  |
| --- |
| Ketepatan\_Pendataan |

**Kurir**

|  |
| --- |
| Kecepatan\_Pengantaran |

**Pengirim Barang**

|  |  |  |
| --- | --- | --- |
| (Nama\_Pengirim) | (Alamat\_Pengirim) | No.Telp\_Pengirim |

**Pengantaran**

|  |
| --- |
| Resi\_Barang |

**Barang**

|  |  |  |  |
| --- | --- | --- | --- |
| Berat\_Barang | Jenis\_Barang | Kode\_Barang | Dimensi\_Barang |

**Penerima Barang**

|  |  |  |
| --- | --- | --- |
| (Nama\_Penerima) | (Alamat\_Penerima) | No.Telp\_Penerima |

**Langkah 2**

**Weak Entity**

**Tracking**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tanggal\_Pengiriman | Tanggal\_Sampai | (Posisi\_Barang) | Lama\_Pengiriman | Status\_pengantaran |

**Biaya Pengantaran**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Berat\_Barang | Dimensi\_Barang | Kota\_Pengirim | Kota\_Penerima | Biaya\_Pengemasan(O) |

**Langkah 3**

**Pemetaan One-to-One**

**Pengantaran**

|  |
| --- |
| Resi\_Barang |

**Tracking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tanggal\_Pengiriman | Tanggal\_Sampai | (Posisi\_Barang) | Lama\_Pengiriman | Status\_pengantaran | Resi\_Barang |

**Biaya Pengantaran**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Berat\_Barang | Dimensi\_Barang | Kota\_Pengirim | Kota\_Penerima | Biaya\_Pengemasan(O) | Resi\_Barang |

**Langkah 4**

**Pemetaan One-to-Many**

**Pengantaran**

|  |  |
| --- | --- |
| Resi\_Barang | Nama\_PT (FK) |

**J&T Express**

|  |  |  |
| --- | --- | --- |
| Nama\_PT | (Alamat\_PT) | No.Telp\_PT |

**Cabang**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Kode\_Cabang | Nama\_Cabang | (Alamat\_Cabang) | No.Telp\_Cabang | Jumlah\_Karyawan | Nama\_PT (FK) |

**Karyawan**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | (Nama) | (Alamat) | Jenis\_Kelamin | (Tgl\_Lahir) | (No.Telp\_) | Kode\_Cabang (FK) |

**Administrasi**

|  |  |  |  |
| --- | --- | --- | --- |
| Ketepatan\_Pendataan | ID (FK) | (Nama\_Pengirim)(FK) | (Alamat\_Pengirim)(FK) |

**Pengirim Barang**

|  |  |  |
| --- | --- | --- |
| (Nama\_Pengirim) | (Alamat\_Pengirim) | No.Telp\_Pengirim |

**Barang**

|  |  |  |  |
| --- | --- | --- | --- |
| Kode\_Barang | Berat\_Barang | Jenis\_Barang | Dimensi\_Barang |

**Penerima Barang**

|  |  |  |  |
| --- | --- | --- | --- |
| (Nama\_Penerima) | (Alamat\_Penerima) | No.Telp\_Penerima | Kode\_Barang (FK) |

**Kurir**

|  |  |
| --- | --- |
| Kecepatan\_Pengantaran | Resi\_Barang (FK) |
| **Langkah 5** | | |