

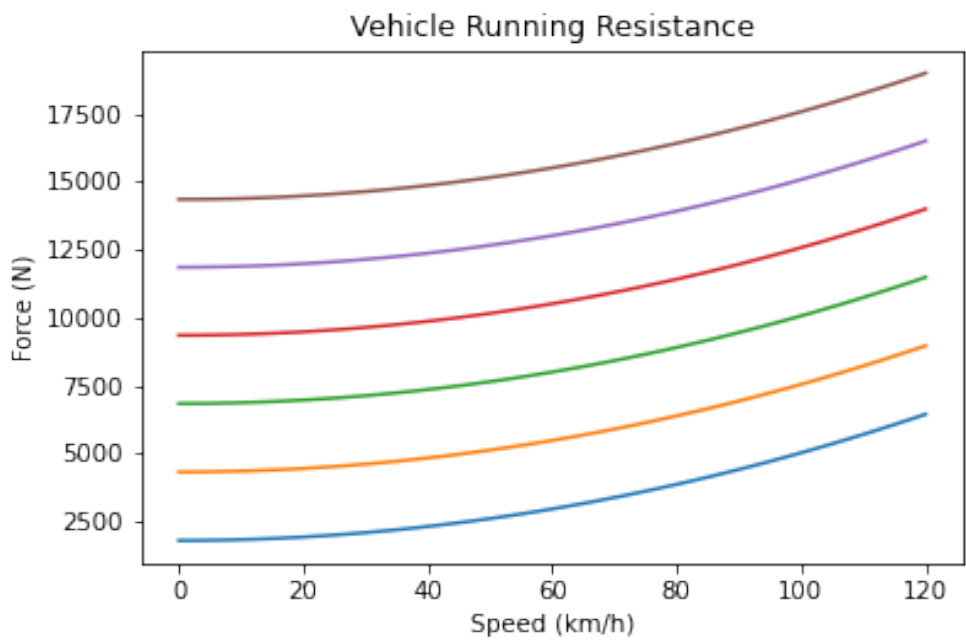
# PERFORMANCE REPORT

## Design Summary

Motor Power =  
Motor Nom Torque =  
Motor Peak Torque =  
Motor RPM =

Gradeability =  
Battery Power =  
Battery Energy =  
Final Gear Ratio =

## Grafik Motor Running Resistance



## Parameter Kendaraan

Lebar Kendaraan =  
Tinggi Kendaraan =  
Ca =  
Af =

Massa Kosong =  
Massa Isi =  
Massa Total =

Kode Ban =  
Jari - jari Ban =

Gear Box =  
Axle =  
Final GR =

Mech Eff =

## Dinamika Bergerak

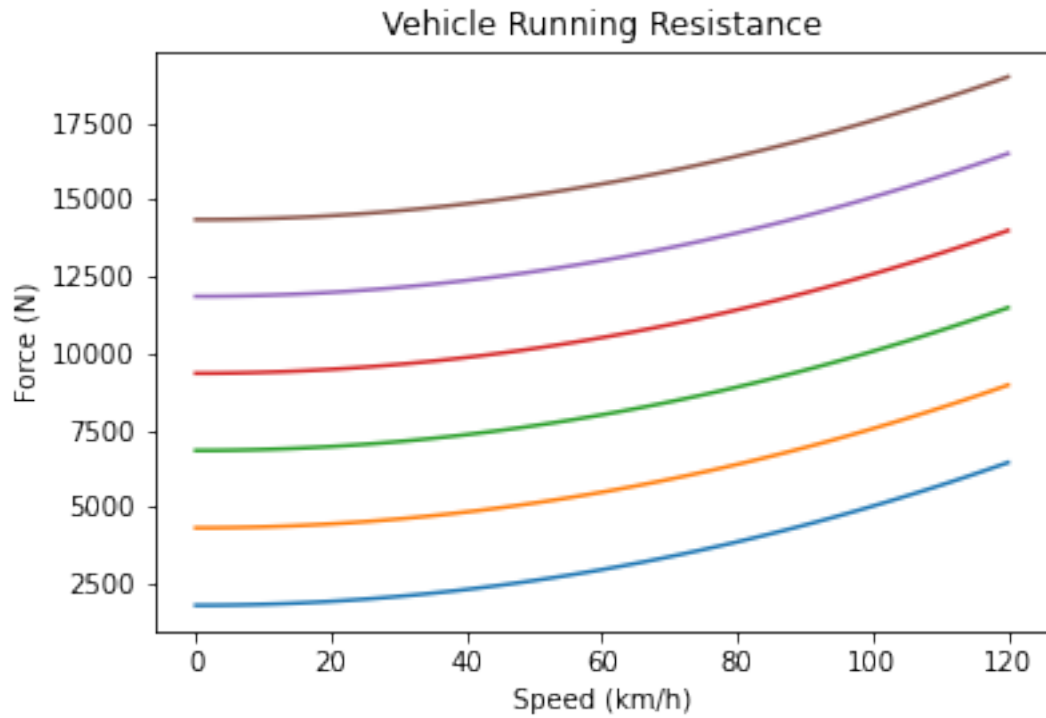
Rolling Resistance =  
Drag Resistance =  
Massa Jenis Udara =

Kecepatan Angin =  
Percepatan Gravitasi =  
Acceleration Margin =

## Grafik Vehicle Running Resistance

$$RR(N) = R_{RR} + R_D + R_G$$

$$RR(N) = C_{RR} \cdot m \cdot g \cdot \cos \theta + \frac{\rho}{2} \cdot A_f \cdot C_D \cdot (V_V + V_W)^2 + m \cdot g \cdot \sin \theta$$



## Grafik Wheel Running Resistance

$$RR(Nm) = RR(N) \times r = (R_{RR} + R_D + R_G) \times r$$

$$RR(Nm) = \left( C_{RR} \cdot m \cdot g \cdot \cos \theta + \frac{\rho}{2} \cdot A_f \cdot C_D \cdot (V_V + V_W)^2 + m \cdot g \cdot \sin \theta \right) \times r$$

