This study aims to obtain empirical evidence on the influence of economic growth, inflation and quality of human resources on unemployment rate in Sumatera in 2009 – 2013. The secondary data as used in the research such as panel data from 10 province of Sumatera from the period 2009 until 2013. The analytical tool used is multiple regression method of Ordinary Least Square (OLS) approach to Fixed Effect Model. The research finding indicate that economic growth and quality of human resources have a negative and significant impact whereas inflation does not have significant impact on unemployment rate in Sumatera.

Key Words: Economic growth, inflation, quality of human resources, unemployment rate, sumatera, OLS