North Sumatera is located between 1° - 4°N and 98° - 100°E with a total area of 72,981.23 km². The boundaries of the province are Aceh Province (North), the Malaka Strait (East), Riau Province and West Sumatera Province (South) and Aceh Province and the Indonesian Ocean (West).

North Sumatera has a tropical climate with the average rainfall ranging between 800 - 4,000 mm per year. The average intensity of solar exposure is approximately 43%, while the level of humidity varies between 78% to 91%. (Source: Sumatera Utara Dalam Angka 2013)