

NAME and SURNAME: MEHMET ALİ GÜNEŞ

**ALTERNATIVE SOLUTIONS FOR ENERGY ISSUE OF TURKEY
AND IMPORTANCE OF WIND ENERGY**

ABSTRACT

Energy is a vital force of economic and sustainable development. Providing clean, cheap and secure energy that is input to economic and social growth for countries, today's as well as meeting the energy supply with energy demand in a sustainable way is the main energy issues that are considered in recent years. For long time, Turkey that has been lived crisis because of structural issues, providing its energy need by using oil, natural gas and coal which are primer sources. Danger of exhausting fossil fuels sources and its environmental impacts makes renewable energy more significant. Rapidly developing technology creates opportunities about utilizing from wind energy. Wind energy that is from renewable sources are sustainable, practice and ideal solution for energy issues of Turkey.

In this study, the position of Turkish energy sector is investigated to produce alternative solutions for energy problem. The data used in this survey Turkish Electricity Transmission Company and Turkish Statistical Institute. Current price that we need for Cost-Benefit Analysis, is taken from "The Economics of Wind Energy Report" prepared by European Wind Energy Association in May 2009.

KEYWORDS

Energy, Renewable energy, Wind energy, Security of supply.