

Study On **THE POTENTIAL OF ALTERNATIVE ENERGY AND ITS PROSPECT IN INDONESIA, 2008**



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 ECENT phenomenon and global reality oblige paradigm change about energy resources. Source of fossil energy (energy that produced from materials or mineral that were formed by process of fossil decay in years) which during the time had become the main source is now experiencing decrement of reserve. Fossil Energy that was produced by coal, petroleum and natural gas is currently the primary energy where petroleum is considered to be the primary energy which is by far the most popular, its reserve tends to downhill.

Petroleum reaches its highest production in 1997 up to 2040 and afterwards its production will continue downwards if new oilfields are not quickly found or the usage of more sophisticated technology in earth oil exploration. Production of petroleum in Indonesia during the period from 2003 to 2007 continued to experience degradation, from 416.975 thousand barrels in 2003 to became only 347.493 thousand barrels in the past 2007.

Petroleum Price that is growing uncertain lately, beside its limited availability has triggered displacement thinking of usage in fossil energy which is referred to alternative energy. The new Paradigm that has happened in Indonesia is to alter dependable will in fossil based fuel to alternative energy that is non fossil based fuel. Non-fossil Energy is referred for example as bio-energy, sun energy, wind energy, wave energy and nuclear energy. Non-fossil Energy is energy that was produced by significant or energy source which is not produced from fossil and it is so often called renewable energy because it is easier and far more fast to be renewed or produced compared to fossil energy.

Potency of renewable energy in Indonesia is very big and it has the opportunity to be more developed. Local energy consumption during the period of 2003-2007 had increased in the average of 6.4% every year and in 2007 ago, it had reached 1,1 billion SBMs (Equivalent to Petroleum Barrel) which consisted of fossil energy for as high as 697 SBMs and non-fossil energy or alternative energy for 425,6 SBMs. From some renewable energies as stated, there str some energies which keeps on being developed, they are bio-diesel and bio-ethanol. Although the utilization of these alternative energies in Indonesia until 2008 are still very small, the cause is because the price of these renewable energies have not yet been competitive when compared to the price of fossil energy. The not yet so competitive of renewable energy price is also caused by the applying of price subsidy regulation as well as the energy usage in all the sectors which is relatively inefficient.

This Study depicts the utilization of fossil energy as well as non-fossil energy according to their user sectors during the past 5 (five) years period and the prospect in Indonesia as well as the prospect of alternative energy industry in the future.

This Study can be obtained with the cost of US\$ 550,- per copy, for Indonesian edition or US\$ 500,- per copy in English edition and can be ordered directly to our marketing Division, Mr. Parlindungan Sihombing SE, either through his mobile phone at 081399457023, office phone at (6221) 3101081 (Hunting), Fax (6221) 3101505, E-mail Address: marketing@cic.co.id or CIC's website at <http://www.cic.co.id>

We sincerely thank you for your cooperation

Regards,
PT. CAPRICORN Indonesia Consult Inc.

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