Although Bali island has alternator it self, however to fulfill electrical power requirement in Bali island still need supply from Java’s generator. It caused by alternator in Bali island still less capable to fulfilling requirement on Bali. Increase of peak load happened nocturnal and reach level up to 455 MW, Bali’s alternator can only supply about 330 MW by the generator in Bali, while the rest relies power from Java through under sea cable has 200 MW causing electrical requirement still safe in range 530 MW. Considering that development, hence demand existence of generator units as center electric energy producer induced to grow. In this final project to assist addition of energy at alternator in Bali island is done with improvement of efficiency. It self solution is combine cycle by exploiting exhaust gas from turbine gas and then the temperature exploited to heat HRSG, then later from HRSG is predicted level of pressure which will be exploited to Steam Turbine is equal to 9 Mpa, and temperature level at 513 °C. In exploiting of the exhaust gas also knowable of tubes for design HRSG. Output result of output of HRSG can be yielded addition of energy equal to 110
MW so that total energy combyne cycle reaches 243 MW. In addition of energy level, besides with exhaust gas exploiting, also used existence of additional firing, temperature from exhaust gas used to increase water temperature become vapour superheated level. The many fuels HSD required for additional firing that is 1851,6 kg/jam

**Keyword**: Combyme cycle, exhaust gas, steam turbine, HRSG design, addition of energy