To be a winner in the global competition in glass packaging industry is a hard challenge for PT. Iglas (Persero). As a pioneer of bottling industry in Indonesia, PT Iglas has so many competitors either domestic or regional that all of them are able to produce high-quality bottles. High performance of machineries and equipments of glass industry have made those competitors able to produce bottles with high efficiency on all of machines production lines.

Meanwhile, by year to year, Sophistication of technology of PT Iglas has been leaving behind so far with new innovation of glass technology. Therefore, serious improvement of technology management with several innovations is needed for PT. Iglas now, in order to catch up progressing of technology in glass manufacturing. Innovations of technology are keys of industries based on technology to create competitiveness in global market.

By making a comparison between sophistication of technology’s competitor as State of the Art with existing technology at PT. Iglas now, Management will know about technology content in PT. Iglas.

To know about level of technology content that has used in PT. Iglas and to know about how big of gap between technology sophistication between PT. Iglas and highest sophistication technology right now, Technometric approach is one of technology management method that is going to be useful as a tool of measure technology content.

In perspectives of technometric, technology is not just hardware or machines and any others equipment in production lines. But technology is whole components structure of technology itself that it has consists: Technoware, Humanware, Infoware and Orgaware. Those four components of technology must be synergy to make sustainable and competitiveness. Expected out come by measuring of technology with technometric approach is Technology Contribution Coefficient that reflected of combine contribution from four technology components.
Result of the measuring of technology by technometric approach in this research will be used to make wise decision of decision makers that is necessary or not necessary for PT. Iglas to make overhaul of their production lines.

Analytical Hierarchy Process (AHP) is going to use as support method in technometric approach in order to make pair wise matrices comparison from all of qualitative opinion of experts in dealing with judgment how important one part of criteria, sub component technology each others.

According to result of research about technology content in PT. Iglas. Contribution Component Coefficient (TCC) in PT Iglas is 0.57 (scale: 0-1). That means technology contribution in that company is too low to be competitive in global competition.

Two lowest components that given contribution of technology in PT. Iglas are: technoware and orgaware with value contribution 0.52 and 0.55 respectively. Meanwhile two others components given satisfaction enough contribution with value of contribution: infoware (0.68) and humanware (0.75) so far.

This is a big challenge for management of PT. Iglas, to make right decision in recovering company from some crisis in order to keep business in that company runs well and make sustainable and competitiveness in global glass manufacturing business. Improving their technology sophistication, especially both technoware and orgaware, and make synergy all of technology components in order to support production process and business goal of PT. Iglas are high urgent requesting now.

The way that management did now for improving their technology component and productivity in PT. Iglas is by replacement some new glass technologies for three lines production in Gresik plant with new glass technologies from Jiafeng Glass (China), even some experts wonder how well of performances and capability that new technologies but this project is still go on. Because as well known many people still underestimate about quality of Chinese technology. The highest priority of chosen this technology alternative because that Chinese technology is offering lowest cost.

Since PT. Iglas has a financial problem now, it might Chinese technology is appropriate technology alternative for supporting process running in that company.

According to result of Benefit - Cost Analysis of initial investment three lines machines production in Gresik Plant in PT Iglas. That investment is still feasible to be continue until next ten years business if all of production machines lines that have replaced able to produce bottles with efficiency level at least 85 % as promised in machines specification. Either way if those machines will not work properly, PT. Iglas will be lost opportunity.

As final of this research, we advised that any policy of investment of technology suppose have added value content of technology or have better sophistication of technology comparing with existing technology in that plant, beside we think about economic benefit for short and long terms of investment. That is important to keep the business of that company always survive, sustainable and able to catch up any changing technology and product requirement in global market.
Key words: Sophistication, State of the Art, AHP, TCC, Humanware, Infoware, Orgaware, Technoware, Benefit Cost Analysis