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## CHAPTER 5 - CONCLUSION & RECOMMENDATIONS

### 5.1 Conclusion

ASAP methodology turned out to be effective during the implementation process. All 5 phases that was provided gave clear steps of what tasks should be done sequentially. By determining the project scope and objectives, the company are much more prepared of what was ahead of them. Business blueprints gave the big image of how the company are doing their business and the problems behind it. The blueprints were also as a reference for realizing the ADempiere ERP systems. After running the system, reviewing the project also gave many results of the implementation projects.

The ADempiere ERP worked perfectly fine for processing the data and running the system. ADempiere ERP gave a lot of benefits for CV. Indo Surya such as the different types of modules, security issues, and data reporting. When migrating into ADempiere, the feature of data importing provides all the information required, resulting in faster implementation and accuracy. ADempiere ERP seemed to be suitable for implementation projects for SMEs. The only criticism about ADempiere from CV. Indo Surya users is that the UI of ADempiere seemed to be confusing. This issue can be solved by the configuration of the software itself. But such configurations require high-level skills such as from professional consultants.

From the implementation project, the hypotheses are proven to be true. Compared to the old system, lead time productivity at CV. Indo Surya can be maximized into 73% of efficiency. By using the ADempiere ERP, managers could make better decision-making from live information in the system. Determining how much quantity to buy, sell, and produce are now much more easier. Directors do not need to worry anymore about transactions that are made by unauthorized person from a different department. The ADempiere ERP gave this solution since users could only process documents that they are allowed to. When or whom processed a document, are now accessible in record info. The implementation did not only give a benefit, but also it shows what things that can be improved at CV. Indo Surya for a greater benefit. This will be discussed in the next subchapter, recommendations.

## **5.2 Recommendations**

### **5.2.1 Company Structure**

At the beginning of the implementation, CV. Indo Surya mentioned that the company's product type still could change, depending on the main company. Sales and purchasing person are still from the main company also. This means that the company is still unstable. They need to decide whether the company will stand independently or the other way around, in order to avoid miscommunication between departments and uncertainty for doing business. From the project review phase, it was concluded that some of the workers are still confused with the company's workflow. It is true that there is no SOP at the company, meaning that there is something wrong with the management or the quality of the human resources. Also, by looking at the company's business process, too many tasks are still handled by a single person. Either they need to change the organizational structure and the job assignments, or do the business process re-engineering.

### **5.2.2 Change by Training**

CV. Indo Surya need to improve the quality of their human resources, in order for a better successful rate of the next implementation. The problem that occurs at CV. Indo Surya is that most of the employees are not familiar with the ERP concepts and IT usage. Hiring a new employee to replace the old one may not be the right solution, because those who have worked for a long time at the company are considered as a trustful and experienced person. The other way to do this is to hire an assistant to give assistance by doing the input into the ERP. The chiefs are the one who are making the decisions. When a new assistant is hired to collaborate with the old employee. They can be given training about ERP as the time goes by. Now, the old employees are in the Unfreeze journey, as stated by Lewin [29]. They are now trying to resist change because of the habit of the current system. By giving training, they can slowly understand that using ERP can help them for finishing their daily activities.

### **5.2.3 Continue ADempiere Configuration**

For ERP software to actually run the business, the important modules such as SCM and Accounting Finance must be able to be used perfectly. The material management modules that were implemented already cover some important part of the SCM. The next thing to do is to configure the Accounting & Finance activities and business process of CV. Indo Surya into ADempiere ERP. If those 2 modules are connected, the data information can be analysed further to find out the accuracy of data between different departments. Other configurations may be setting up report customization and company logo for each document.

### **5.2.4 Real Server System**

The server used for the ERP implementation was only a standard pc hardware but with a server-based software. If they really plan to use ERP in the future, CV. Indo Surya need to prepare a real server system with high protection of security systems to avoid hackers or competitors acts. Such securities are using a VPN network, data backup plan, and so others. A real server also ensures the quality to manage many users, avoiding a breakdown or a server down.

### **5.2.5 Further Studies**

Problem founding at a company will never reach the end. There is no perfection for doing business. From the company's point of view, they need to think that there are always rooms for improvements. And those rooms can be studied further about how they are able to change that. Further studies that can be done at CV. Indo Surya are:

1. Automation systems for production processes
2. Inventory management
3. Maintenance systems

Those recommendations of further studies are based on the situation that those topics are not yet implemented at CV. Indo Surya.