









Refer to figure 6, JavaScript on Facebook has been used for simplifying login process. It can detect which Facebook user that the browser login and access to request token from Facebook in just one click. Then, the user can manage Post out and Post in on Facebook fan page as eligible. Figure 7 shows the window of Post out system, as publishing the same contents on 10 fan page accounts at once. This method helps reducing duplicate process. On the other hand, monitoring fan page Post in could be seen from only one account because of Facebook restriction as shows in figure 4.

### 3.1. Experimental Results

As per system managing experiment on framework of Post out and Post in, it is assumed that publishing contents on different fan page accounts in one time. There is no more duplicate process in Post out. It is also easy to use and follow up Post in feedback. Besides, Facebook fan page admin is capable to track which post has more engagement, such as like, share or comment on that post. These would make the management of fan page to be more facilitate.

## 4. Conclusion

Since the research has been completely achieved its objectives. The system experiment continued for a while to make management better, such as reduce login process by Post out through one page without switching accounts. Another benefit of the system is monitoring fan page Post in will be easier as the user just choose the login account and the Post in will appear. That reduce communication as the (n-1) theory. Because management can be done without browsing Facebook site, anything related to fan page management would be easier and faster. It helps tracking engagement, so that fan page admin would know which kind of content the followers prefer.

As the result of this research, it is multiple Facebook fan page accounts management system which can manage and control in limited level due to PHP SDK of Facebook restriction. This framework will be furthermore efficient, if it is developed following with other SDK of Facebook

## 5. References

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