

**Impacts of Contextual Teaching and Learning Towards Student's Social Network (Study on Faculty of Psychology Students of University X)**

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# Introduction

Contextual learning emphasizes on the full process to get the study materials, then connecting them with the real-life situation. This situation forces students to implement what they learn into their life (Sanjaya, 2009).

This learning model also helps students to be more productive in the society, sharpen their problem-solving capability, and social skills (Palmiotto, 2003).

# Introduction

During a lecture, students are consequently involved in various interaction based on the exchanged information. It also happens during the interaction between students.

One of the objectives of contextual learning is to improve social skills.

Therefore, it is hoped that the model will influence the students' social network pattern.

# Introduction

The research questions for this research are:

- 1) How effective is contextual teaching and learning on the Early Childhood Education Psychology module?
- 2) How difference is the student's interaction network on before and after joining contextual learning program?

# Research Methods

- This research employs experiment on a group (one group pretest-posttest design).
- The participants of this research are all Faculty of Psychology students 2017/2018 academic year who took the ECE Psychology module. The research setting is University X Faculty of Psychology.
- The measured variables are students social network based on friendship and relations that formed due to study.
- Data gathering was done through two-parts questionnaire. The first part contains participants' identity. The other part consists of choices of participants' friendship relations and when they discuss issues about lecture. Participants were asked to choose maximum three names of other listed students. Those names were included in the questionnaire form.

# Research Methods

Data gathering was also done by comparing the result of before the lecture with contextual learning and teaching as a pretest and the aftermath as posttest.

The treatment to this research experiment was implemented by giving a task to students (five person per group) to visit ECE for doing observation and interviews there, making education tools for ECE students, and do story telling in the ECE.

The analysis on the network pattern of these students was done through sociogram and connection level.

# RESULT

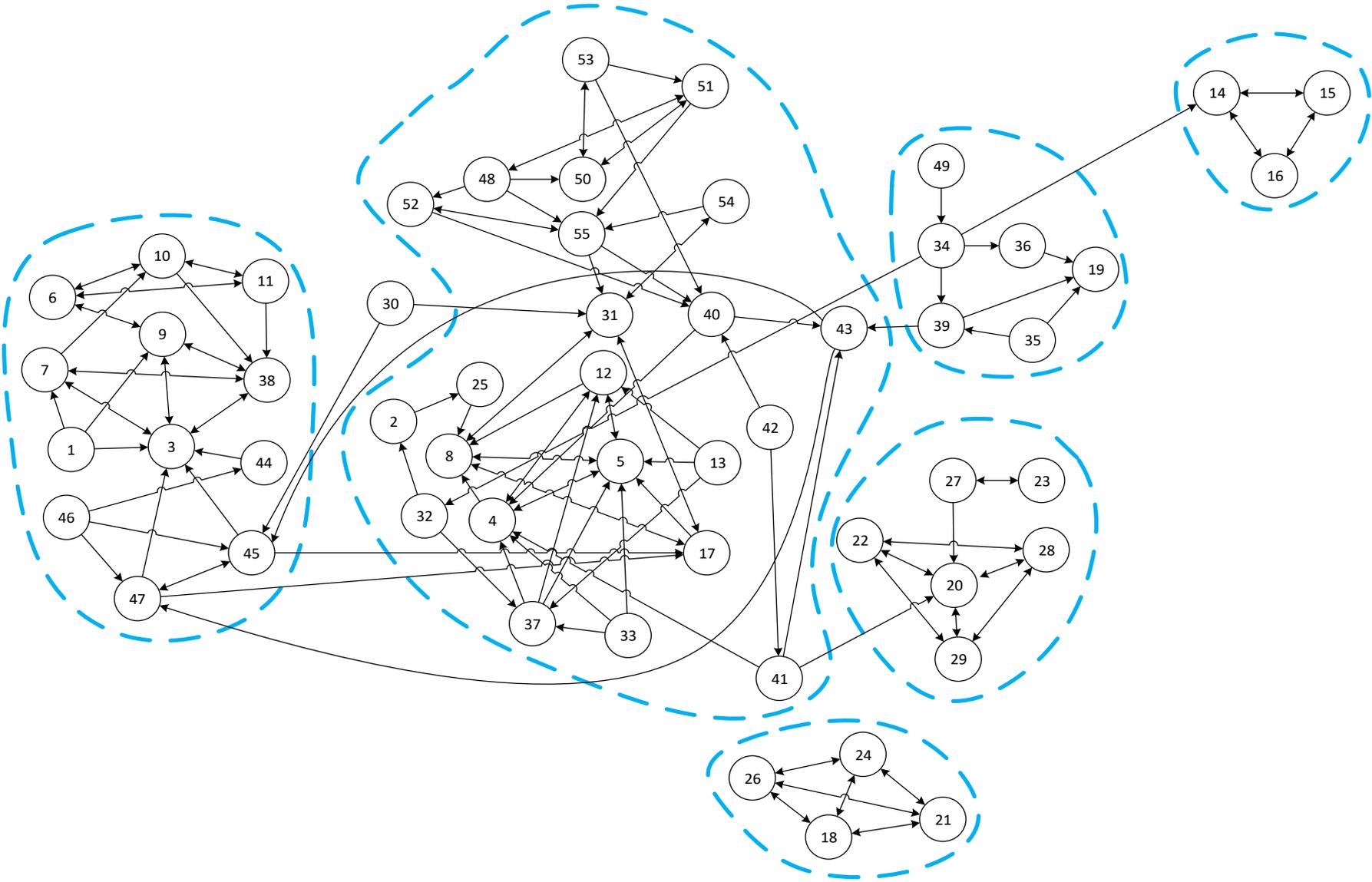
## Table 1. Interaction Pattern Before and After Intervention

No	Indicator	Before Intervention		After Intervention	
		Friends	Lecture	Friends	Lecture
1	Clique number	9	9	6	8
2	Click Connector	6	5	11	22
3	Opinion leader*)	5	6	7	9
4	<i>Isolate</i>	3	2	0	1



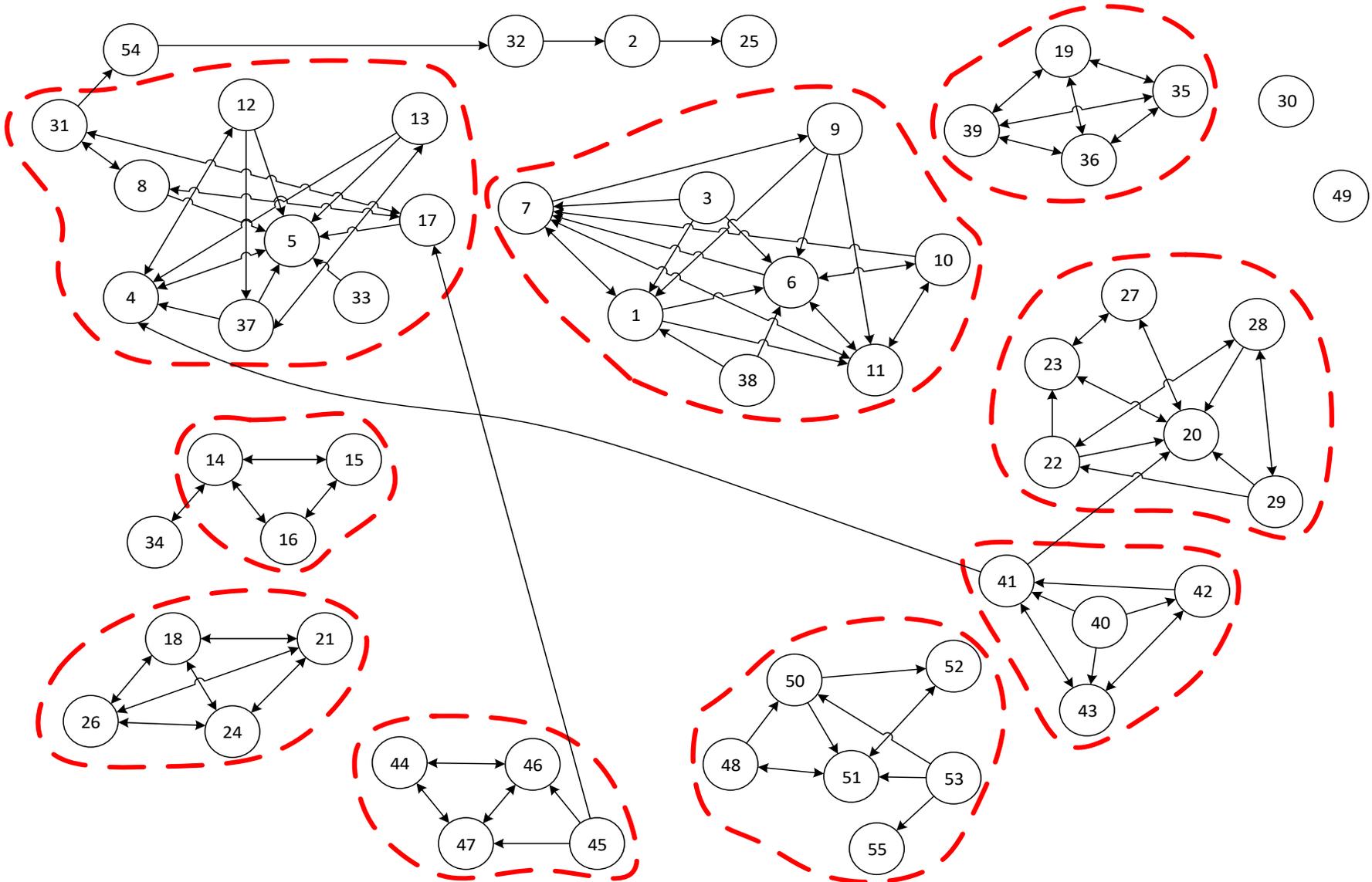
# SOCIOGRAM 2

## Friendship (After Intervention)



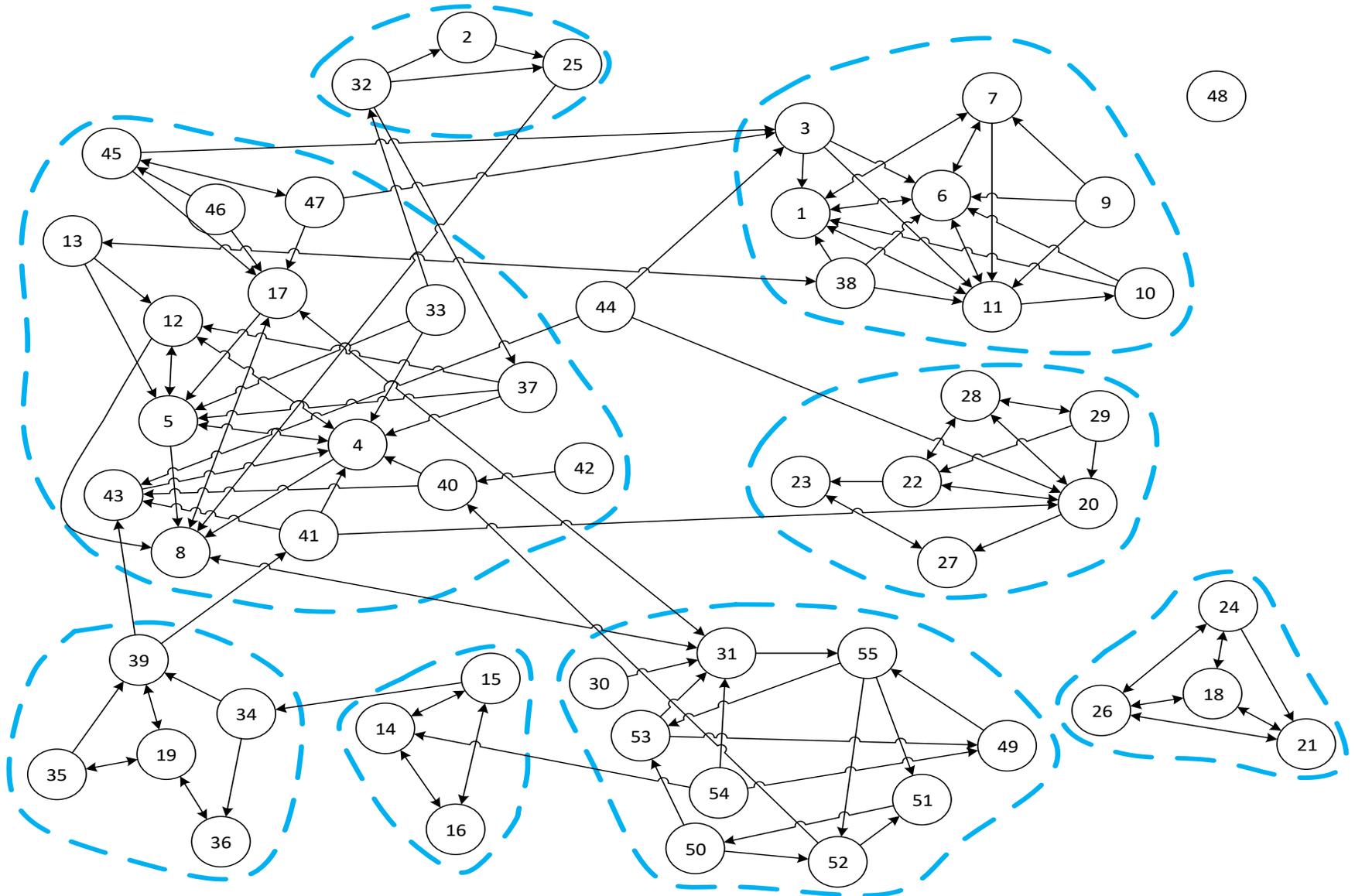
# SOCIOGRAM 3

## Lecture (Before Intervention)



# SOCIOGRAM 4

Lecture (After Intervention)



**Table 2**  
**Between Friends Network Pattern Before and After Intervention**

<b>Details</b>	<b>Before Intervention</b>	<b>After Intervention</b>
Clique Amount	9	6
Isolate Click	3	1
Clique Connector	6 (17, 45, 4, 41, 31, 55)	10 (45, 47, 17, 41, 20, 43, 39, 14, 32, 34)
Bridge	2 (32, 34)	1 (30)
Liaison	5 (5, 4, 7, 20, 55)	7 (3, 38, 8, 4, 17, 5, 31)
Opinion Leader	3 (30, 49, 54)	0
Isolate (Individual)		

# Table 3

## Lecture Network Pattern Before and After Intervention

Details		Before Intervention	After Intervention
Clique Number		9	8
Isolate Click		5	1
Clique Connector	Bridge	5 (4, 41, 17, 45, 20)	21 (43, 39, 41, 34, 15, 14, 54, 8, 31, 40, 52, 17, 20, 13, 38, 47, 3, 45, 32, 33, 25)
	Liaison	0	1 (44)
Opinion Leader		6 (5, 4, 7, 6, 11, 20)	9 (5, 4, 8, 17, 1, 6, 11, 20, 31)
Isolate (Individual)		2 (30, 49)	1 (48)

# Conclusion

- Contextual learning and teaching method that used as an intervention in this research shows a positive result.
- The success is seen from the increasing social skills amongst respondents in each group, improving cooperation as well as the appearance of individuals who act as opinion leader and click connector.
- Besides that, contextual learning and teacher also can help students to get deeper understanding of the subject, because they can apply the knowledge on their daily life and contribute to the environment.

# Suggestion for the next studies:

- Qualitative research with student participants who became opinion leaders, clique connector and isolate,
- Same research for other modules to find network patterns which might show characteristics of big city,
- Make a program for academic advisor lecturers, to give special treatment to students who need it,
- Implementing the contextual learning and teaching method to other classes.

Faculty can monitor to students who require social attention to prevent risk of drop out. Besides that, we need to think about the information and the way to deliver it by looking who can be utilized as the source.