

Hibah Kompetitif

**LAPORAN PENELITIAN
AINEC RESEARCH AWARD**

PENGARUH PENERAPAN METODE PEMBELAJARAN KOOPERATIF *TEAM GAME TOURNAMENT (TGT)* TERHADAP MOTIVASI BELAJAR DAN HASIL BELAJAR MAHASISWA KEPERAWATAN DALAM MATERI ANATOMI FISILOGI SISTEM SARAF



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**THE APPLICATION OF COOPERATIVE LEARNING METHOD OF
TEAM GAME TOURNAMENT (TGT) FOR IMPROVING
LEARNING MOTIVATION AND ACHIEVEMENT IN STUDYING
NEUROLOGY SYSTEM ANATOMY AND PHYSIOLOGY**

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ABSTRACT

Background and Purpose: Learning method of Team Game Tournament (TGT) has student-centered learning characteristic focuses on students' knowledge construction in which they could find important information useful for constructing their own knowledge. The continuous weak comprehension of neurology system anatomy and physiology resulted in the application of TGT for constructing students' knowledge in this study. This study aimed to analyze the efficacy of TGT application for improving learning motivation and achievement in studying neurology system anatomy and physiology among nursing students.

Method: This pre-experimental study used the one group pretest post-test design approach. Target population was all nursing students in two institutions around Surabaya in the even semester of 2016/2017 academic year. Inclusion criteria were passed the course of Biomedical II or Nursing Basics I. Sample size was 143 chose by total sampling. Independent variable was TGT application and dependent variables were learning motivation and achievement. Study instruments were motivation questionnaire and objective test. Data analysis used paired t test and Mann-Whitney test with $\alpha \leq 0.05$. Ethical clearance was issued.

Results: Most respondents were 19 years old single female who chose nursing major because of their dream. Only learning motivation data that were normally distributed. TGT application could increase learning motivation and achievement of nursing students significantly ($p=0.000$ and $p=0.028$ respectively).

Conclusion and recommendation: TGT application could increase learning motivation and achievement in studying neurology system anatomy and physiology among nursing students. Further implementation could be broad, other subjects in nursing could be the target, difficult subject would be underlined.

Keywords: team game tournament, learning motivation, learning achievement, nursing education, learning method