CHAPTER V
CONCLUSSION AND SUGGESTION

5.1 Conclussion

Based on the result research from data analysis, can be obtained some conclussion, those are:

1. Problem solving skills of student that taught using cooperative learning Jigsaw approach has average of post test 72,5 and average of gain 49,135. By testing hypothesis using t-testing, can be concluded that cooperative learning Jigsaw approach can increase problem solving skills of student on prism sub topic in VIII grade at SMP Negeri 1 Tebing Tinggi.

2. Problem solving skills of student that taught using cooperative learning Think Pair Share approach has average of post test 81,5 and average of gain 53,4615. By testing hypothesis using t-testing, can be concluded that cooperative learning Think Pair Share approach can increase problem solving skills of student on prism sub topic in VIII grade at SMP Negeri 1 Tebing Tinggi.

3. By testing hypothesis using t-test of the gain average in the first and second experiment classes, then can be concluded that there is significant difference of problem solving skills of student that taught using cooperative learning Jigsaw approach and Think Pair Share approach on prism subtopic in VIII grade at SMP Negeri 1 Tebing tinggi.

4. The kinds of mistake that student made after taught using Jigsaw approach are: (a) errors in determining the height and base of prism, the height of triangle and trapezoid, and drawing the prism, (b) wrote not complete information from the problem, (c) wrote wrong formula of surface area, volume and the height of prism, (d) wrote not complete strategy to solve the problem, (e) errors in calculation and algebra operation, (f) errors in calculating area and perimeter of prism base, (g) errors for using Pythagorean theorem, (h) did not make re-evaluation correctly.

5. The kinds of mistake that student made after taught using Think Pair Share approach are: (a) errors in determining the height of triangle and trapezoid, and drawing the prism, (b) wrote not complete information from the problem, (c) wrote wrong formula of surface area, volume and the height of prism, (d) wrote not complete strategy to solve the problem, (e) errors in calculation and algebra operation, (f) errors in calculating area and perimeter of prism base, (g) errors for using Pythagorean theorem to find the height of triangle and trapezoid, (h) did not make re-evaluation correctly.

5.2 Suggestion

Based on research result, then the suggestions that can be given by writer are:

1. For mathematic teacher who want to use cooperative learning Jigsaw approach, give more attention to time allocation for each phase so that learning process can be done better.

2. For mathematic teacher, cooperative learning Jigsaw and Think Pair Share approaches can be used as alternative learning approach because it can be increase problem solving skills of student.

3. For mathematic teacher who want to give some topic to student, make sure that student has mastered prerequisite material so that learning process more effective.

4. For students, especially students in SMP Negeri 1 Tebing Tinggi are suggested to cooperate in discussion based on rule from the teacher.

5. For the next researcher, to make deeper analysis about the mistakes that student made in solving problem using both of those approaches.