

## LIST OF TABLE

|  | <i>Page</i> |
|--|-------------|
| Table 2.1 Indicators of Students' Mathematical Communication abilities .....                                     | 15          |
| Table 2.2 Learning Approaches in Mathematics Education .....   | 21          |
| Table 2.3 Steps of Realistic Mathematics Approach.....   | 26          |
| Table 2.4 Aspects of Product Quality .....   | 34          |
| Table 3.1 Guidelines for Scoring Mathematical Communicaton Tests.....  | 51          |
| Table 3.2 Assessment Score Guidelines .....  | 57          |
| Table 3.3 Validation Assessment Criteria.....  | 58          |
| Table 3.4 Product Practicality Criteria.....   | 59          |
| Table 3.5 Individual Learning Mastery Criteria.....  | 62          |
| Table 3.6 Levels of Mathematical Communication Ability.....  | 63          |
| Table 3.7 Criteria for Interpreting the Value of n-Gain.....   | 64          |
| Table 4.1 Validator Biodata .....  | 75          |
| Table 4.2 Comic Validation Results .....   | 76          |
| Table 4.3 Lesson Plan Validation Results.....  | 77          |
| Table 4.4 Initial Ability Test Validation Results.....   | 77          |
| Table 4.5 Final Ability Test Validation Results .....  | 77          |
| Table 4.6 The results of expert validation of the learner response<br>questionnaire .....                        | 78          |
| Table 4.7 Schedule of Field Trial Activities .....   | 79          |
| Table 4.8 Summary of N-Gain Results of Students' Mathematical<br>Communication Ability .....                     | 80          |
| Table 4.9 Achievement of Posttest Learning Objectives of Students'<br>Mathematical Communication Ability .....   | 80          |
| Table 4.10 Result of Analysis Practicallity .....  | 81          |
| Table 4.11 Data of Students' Response Quesionaire.....   | 81          |
| Table 4.12 Achievement of Posttest Learning Objectives of Students'<br>Mathematical Communication Ability .....  | 82          |
| Table 4.13 Level of Completion of Pre-Test and Post-Test Mathematical<br>Communication Ability of Students ..... | 83          |