CHAPTER V
CONCLUSIONS AND SUGGESTIONS

All informations and discussions in previous parts of this writing revealed that Gardner’s belief about differences among human beings, exist in SMA N 1 Paguyaman. The following parts give the conclusions and suggestions which can be helpful for subsequent research concerning MI theory.

5.1 Conclusions

From finding and discussion having been presented previously, there are several terms can be concluded as follows:

1. Based on data analysis per sampled-classes, the MI Tendencies represented by the average value per intelligence are varied. The calculation shows that highest average values are resided in Interpersonal Intelligence for all six classes taken. For Class X-A, X-B, X-D, and X-F the average value of the eight intelligences can be categorized as Strong tendency. Meanwhile, for Class X-C and X-E, average value on Interpersonal Intelligence can be categorized as Very Strong tendency; and for other seven intelligences, the average values are resided in Strong tendency.

2. Based on data analysis per gender, Males get higher average value than females on five intelligences namely Naturalist Intelligences with 2.07 of the difference; Logical-Mathematical Intelligence with 1.55 of the difference; Bodily-Kinesthetic Intelligence with 3.81 of the difference; Verbal-Linguistic Intelligence with 0.99 of the difference; and Visual-
Spatial Intelligence with 1.86 of the difference. Meanwhile, female got higher average value than male on other three intelligences, namely Musical Intelligences with 1.06 of the difference; Interpersonal Intelligence with 2.26 of the difference; and Intrapersonal Intelligence with 2.83 of the difference.

3. The analysis toward the whole survey data, Interpersonal Intelligence is the highest one with 38.98 of the average value. The other seven intelligences showed ≤ 0.71 of differences between on to another on highest-to-lowest arrangement.

4. In terms of item-to-total correlation all $r = 0.278 – 0.679$ which are significant at the 0.01 level. Meanwhile on inter-item correlation, several invalid cases occur on each intelligences, namely 22 invalid-correlation on Naturalist Intelligence, 29 invalid-correlation on Musical Intelligence, 20 invalid-correlation on Logical-Mathematical Intelligence, 14 invalid-correlation on Interpersonal Intelligence, 25 invalid-correlation on Bodily-Kinesthetic Intelligence, 14 invalid-correlation on Verbal-Linguistic Intelligence, 30 invalid-correlation on Intrapersonal Intelligence, and 24 invalid-correlation on Visual-Spatial Intelligence. The invalid-correlations are the indication for the correction of the item construction on the questionnaire. However, by observing item-total correlations which are valid at the 0.01 level, no item can be excluded from the questionnaire at my survey.
5. All inter-aspect correlations are significant at the 0.01 level with \( r = 0.284 \) – \( 0.657 \) which means that the eight intelligences are correlated one to another. Meanwhile, the aspect-total correlation showed \( r = 0.654 \) – \( 0.822 \) which means that the survey was to measure properly I am required to measure at my sample.

6. From the result of internal consistency analysis on the eight intelligence, can be concluded that: (a) Musical and Intrapersonal Intelligence are reliable enough to be generalized for future-administration of the survey, by only representing the \( \alpha = 0.553 \) and 0.532 of at least \( \alpha \geq 0.6 \) required for Moderately reliable as other six intelligences; (b) Nine items were criticized for omission, namely, item No.6, 2, 16, 21, 42, 61, 50, 70 and 77; (c) Verbal-Linguistic Intelligence showed the highest Cronbach’s alpha value with \( \alpha = 0.705 \); and (d) In spite of being the lowest on average value, Bodily-Kinesthetic Intelligence is the most reliable aspect with no items criticized for deletion.

7. Based on the item analysis, there are ten characteristics that need to be deeply observed in school practice at SMA N 1 Paguyaman. They are (a) Sensitivity toward nature changes; (b) Ecological awareness; (c) Interest of playing musical instrument; (d) Curiosity on how things work; (e) Sense of leadership; (f) Expertise in one or more sports; (g) communication in verbal way; (h) Interest toward being involved in discussion debate or speech; (i) Sense of independence; and (j) Creative-visual performances.
8. The item analysis also shows the gender differences in percentage of agreement, where male respondents get higher percentage on items about having ecological awareness, enjoying strategy games, navigating well, playing musical instrument, asking question about how things work, being expertise in sport, and paying attention toward action-scene in movie. Meanwhile, females show higher percentage on items about giving advice to friends who have problems, expressing own feeling accurately, keeping personal diary, and using song or music to remember information.

In a word, females tend to have good self-regulation including the ability of finding their own way to help learning activity; and male showed more tendencies on understanding procedure and showing active performance.

5.2 Suggestions

The results that are presented on this survey have described about the MI tendency on my sample. In order to reach a good description on subsequent administration, the following terms could be considered:

1. The results of survey or other forms of observation toward intelligence tendency should not be interpreted as an absolute grade of students’ intelligence because intelligence, in concept, can be changed, developed and enriched over time. The key points of MI Theory can be a good guidance.

2. In addition to survey result, in-depth observation toward the tendency should be held in school. This can only be held by teachers in everyday activity so that the brief intelligence profile can be created and shared to
students. Observation form in “Multiple Intelligences in Practice” of Mike Fleetham will be helpful for teachers to do such term.

3. Test re-test method of survey construction should be concerned for subsequent administration of MI Inventory to reach valid value of both Cronbach’s’s alpha and Pearson Product Moment values on inter-item correlation, inter-aspect correlation and internal consistency. Research about development of MI Inventory should be held in order to create instrument that provide more variations in its model and administration method.

4. It is better to use MI Inventory at the first day of school to get description of students’ intelligence characteristics. It will be helpful to recognize new students of the school, not only knowing the demographic information of them, but also their proclivities, likes and dislikes. This will be a good starting point of teachers to understand students, and for students to share what they have in mind.

5. When MI Profile is applied in school, the involvement of parents is needed so that instructional design will not only be designed and applied by educators in school, but also as the product of cooperative relationship between school and parents. MI Profile can tell parents about strengths and weaknesses of their children so that parents can provide facilities, activities, opportunities and motivation to appreciate the strengths and minimize the weaknesses.

6. Some readings will inspire to start applying Multiple Intelligences in educational practice, especially in school. *Multiple Intelligences in the*
The conceptual framework, research design, research findings and research discussions above, illuminate the position of mine in this writing. The existence of variation in terms of learning characteristics make me agree with Gardner’s way of defining intelligence including the key points of the MI theory that human beings are born to be different and intelligence work mysteriously in complex way. In a word, MI Inventory is helpful for describing and for exploring students’ multiple intelligences tendency especially at the first-year of school. Hopefully, the research and the development of MI Inventory can be deeply explored by subsequent researcher.
REFERENCES


