

平成 28 年 8 月 24 日

博士論文審査結果報告
Report on Ph.D. / Doctoral Dissertation Defense

政策研究大学院大学
 連携教授 竹内 邦良

審査委員会を代表し、以下のとおり審査結果を報告します。

On behalf of the Doctoral Thesis Review Committee, I would like to report the result of the Ph. D. / Doctoral Dissertation Defense as follows.

学位申請者氏名 Ph.D. Candidate	Md. Nasif Ahsan		
学籍番号 ID Number	DOC13132		
プログラム名 Program	防災学プログラム Disaster Management Program		
審査委員会 Doctoral Thesis Review Committee	主査 Main referee	竹内 邦良 Kuniyoshi Takeuchi	主指導教員 Main advisor
	審査委員 Referee	小池 俊雄 Toshio Koike	副指導教員 Sub advisor
	審査委員 Referee	大原 美保 Miho Ohara	副指導教員 Sub advisor
	審査委員 Referee	冢田 仁 Hitoshi Ieda	副指導教員 Sub advisor
	審査委員 Referee	園部 哲史 Tetsushi Sonobe	博士課程委員会委員長 Chairperson of the Ph. D. Programs Committee
	審査委員 Referee	立木 茂雄 Shigeo Tatsuki (同志社大学 教授 / Doshisha University)	外部審査員 Referee from outside institutions
論文タイトル Dissertation Title (タイトル和訳)※ Title in Japanese	Disaster preparedness at household and community level: The case of cyclone prone coastal Bangladesh 世帯・コミュニティレベルでの災害準備：バングラデシュ海岸域サイクロン常習地帯のケース		
学位名 Degree Title	博士 (防災学) / Ph.D. in Disaster Management		
論文提出日 Submission Date of the Draft Dissertation	平成 28(2016)年 6 月 22 日	論文審査会開催日 Date of the Degree Committee Meeting	平成 28(2016)年 7 月 20 日
論文発表会開催日 Date of the Defense	平成 28(2016)年 7 月 20 日	論文最終版提出日 Submission Date of the Final Dissertation	平成 28(2016)年 8 月 24 日
審査結果 Result	合格 Pass		
	不合格 Failure		

※タイトルが英文の場合、文部科学省に報告するため、和訳を付してください

If the title is in English, please translate in Japanese in order to report MEXT.

1. 論文要旨 Thesis overview and summary of the presentation.

This dissertation studied an extremely cyclone prone and poverty area of Bangladesh coastal zone, Koyra in Khulna district. He made local face-to-face questionnaire surveys of 420 households and 40 community leaders on the behaviours and living status before and after the cyclone Aila made landfall on 29 May 2009. Based on those survey data, together with extensive and systematic literature survey, the thesis analysed, with the help of advanced statistical tools, the key factors of evacuation and preparedness that are considered central to the drastic reduction of deaths tolls by cyclone brought storm surges in past several decades in Bangladesh. It was found that the evacuation behaviour was closely associated with credibility of early warning, accessibility to shelters, participation to preparedness training etc. Also found was a significant association between participation to preparation training and the resilience against disaster measured by consumption and asset changes before and after the disaster. In the community level survey, it was found that on many community actions, a half community leaders expressed positive views but the other half negative views. Such findings of contradicting views provide clear clues to improve local actions. Based on integration of those findings the thesis concluded with several policy recommendations including the importance of local languages, use of symbols for communication, promotion of participation to preparedness trainings and good cooperation between GOs and NGOs.

Those findings are not new in general but provides specific suggestions to the local peculiarities in Khulna. At the same time, the findings are not only useful elsewhere in Bangladesh but also to policy makers in similar low disaster literacy countries in the world. Besides, the raw interview data added precious information to the scarce datasets especially in developing countries on local disaster preparedness behaviour.

Mr. Ahsan made a clear presentation that lasted for about 50 minutes and subsequently the referees made several questions and comments.

2. 審查報告 Notes from the Doctoral Thesis Review Committee (including changes required to the thesis by the referees)

The referees made the following comments:

Professor Tetsushi Sonobe

- 1) Description of preparedness training must be strengthened.
- 2) Composite variables make it difficult to interpret the results and are not recommended to use.
- 3) Contribution of the study is not clear yet.

Professor Toshio Koike

The work reaching to policy recommendation based on local investigations and literature review deserves the PhD. However the following points should be worked out to complete:

- 1) It is not clear that apart from Bangladesh local issues what contributions were made to universal issues.
- 2) It should be made clear on how critical issues in concerned local areas can be solved.
- 3) The process to derive the policy recommendation should be made clear.

Professor Hitoshi Ieda

Trying such study in Bangladesh is “important” in practical meaning. However, it is required to clearly identify:

- 1) Methodological and new contribution and its practical area of use for the future.
- 2) New findings which were not identified nor known before this study.

On conditions that these points are more clearly described, it deserves as a PhD dissertation.

Associate Professor Miho Ohara

- 1) It is appreciable to have conducted 420 household questionnaire survey in a Bangladesh coastal area, identified the factors that are affecting evacuation and preparedness and analysed the effects of preparedness training.
- 2) Although the components are obtained, the conclusions are too general. More concrete substantial proposals need to be presented.
- 3) As a whole, contributions to improve local disaster resilience are made and deserve the PhD degree.

Professor Shigeo Tatsuki

- 1) The presentation was clear and each chapter has significant achievements that include systematic literature review, local questionnaire surveys, factor analyses, hypothesis testing etc. The association of participation to preparedness training with

both pre-disaster coping capacity and post disaster adaptability was shown. Such theoretical and empirical researches deserve for the PhD degree.

- 2) It is desirable in the future, if not now, to look into how the community level socio-political and economic factors affect micro behaviours of households and analyse all findings in an integrated manner.

3. 最終提出論文確認結果 Confirmation by the Main Referee that changes have been done to the satisfaction of the referees

Mr. Ahsan has revised his dissertation to incorporate all the comments of the referees and has provided an explanation of the changes that I attach at the end of this report. I judge his revision is satisfactory and he has successfully defended.

4. 最終審查結果 Final recommendation

I recommend that the degree of Ph.D. in Disaster Management be awarded to Mr. Md. Nasif Ahsan.