



An Interactive Disaster Prevention Manual

~For Foreign People Living in Japan, "the Land of Earthquakes"~

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Motivation

The number of foreign people living in Ishikawa *1



Foreign people are **vulnerable** when disasters occur.

There is a **70%** possibility of very big earthquakes occurring in the next 30 years in Japan.

Research Question

What can we do to help foreign people learn how to protect themselves when earthquakes occur?

Hypothesis 1

If we **spread** the current manual, then more foreign people can protect themselves when earthquakes occur.

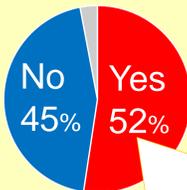
Research 1

Is the current manual wide-spread and effective enough?2

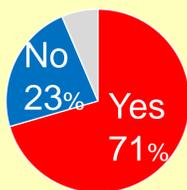
Target : Foreign people living in Ishikawa*1 (168 people)
Period : Sep.10~Sep.17



current manual



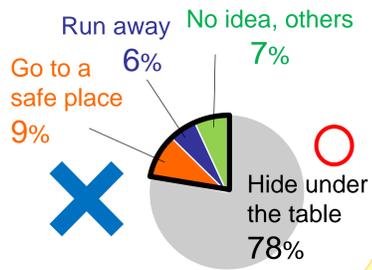
① Do you know this manual?



② Is it easy to understand?

③ What will you do when earthquakes occur?

22% of people who know the manual don't have correct knowledge!



It's easy, but it's **not effective enough!**

*1 ALICE International College Study · Ishikawa International Students House
*2 MITANI SANGYO CO.,LTD. · Lucas Lilly · Hope House · Umarbin Al-Khatabi Mosque



Hypothesis 2

We should **revise** the manual.

① **Quiz style**

→ interactive

② **One language per booklet**

→ clear

③ **Focus on common mistakes**

→ efficient

④ **Add more pictures**

→ attractive & easy to understand

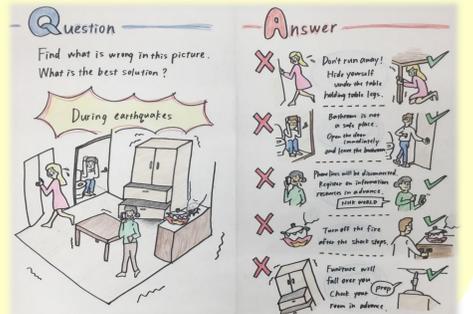


Our Original Manuals

~ Prototypes A & B ~

① Multiple-choice quiz

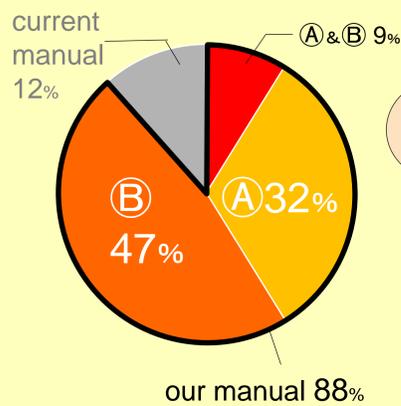
② Finding errors



Research 2

Which manual is the best?

Target : Foreign people*2 (35 people)
Period : Nov.13~



Pictures are helpful in understanding the manual.

Important points can be easily grasped.

Misunderstandings can be avoided.

I can't read English. Japanese explanation is better.

88% said our manuals are better!

*2 MITANI SANGYO CO.,LTD. · Hope House · Lucas Lilly · Umarbin Al-Khatabi Mosque

Conclusion

New design for foreign people

- Show important points clearly in a quiz style
- One language + easy Japanese
- Effective use of pictures

Future View

Improve our prototypes



Make our manual more effective!

- Add easy Japanese explanations
- Take surveys of more people

References

- *1 Ishikawa Foundation for International Exchange
- *2 Disaster Prevention Guidebook for Foreigners
- Considering support for foreign residents at the time of disaster in a multicultural symbiotic society : preparing for Tokai and Tonankai earthquakes

