



Department of Mechanical and Mechatronics Engineering  
Faculty of Engineering  
University of Auckland  
Auckland, New Zealand

## Participant Information Sheet (Speech perception)

**Project Title:** Understanding te reo Māori sounds

**Principal Investigator:** Dr Justine Hui

**Co-Investigator:** Dr Peter Keegan (Waikato-Maniapoto/Ngāti Porou), A/P Catherine Watson

**Student researchers:** Miss Isabella Shields (Ngāti Porou), Miss Hiraia Haami-Wells

Hello, we are a research team based at the University of Auckland and firstly we would like to thank you for expressing your interest in participating our study. You are receiving this Participant Information Sheet because you have contacted us regarding our study. The research is funded by the Royal Society of New Zealand, under the Marsden Fast-Start grant.

### Project Aim:

The aim of this project is to identify acoustic cues that are important to understand sounds of te reo Māori in our daily acoustic environments.

### Project Details:

This survey is composed of 3 sections:

1. Speech perception test: Here, you will be asked to listen to some speech-like sounds and answer questions on these sounds on the computer. Questions may be asking you to select the sound or word you heard on the screen.
2. Demographics Questionnaire: Here, you will be asked questions such as language background, iwi information, education and age. In addition, there will be questions on your language learning experiences. These questions are intended to understand the nature of the participants doing this study, as these aspects are known to affect speech perception. You may also be asked about how you found the study.
3. Post-experiment survey: Here, you have the option to enter in your email if you would like to receive findings from the current study and if you would like to be notified for future studies. The form is separate from the data collected and therefore your email address will not be linked to any of your responses from 1. and 2.

Location and time needed: The survey is conducted at the University of Auckland. The survey is intended to take approximately 60 minutes with a 5 – 10 minutes break, although this will vary between individuals. You may take as much time as you need.

Risks: There is no risk to you other than fatigue from listening to speech sounds for a maximum of 30 minutes in one go. If you feel the need to rest, please take as much time as you need. If the volume is too loud, please let the researcher know.

Participant Eligibility: We are looking for participants that are either i) learners of te reo Māori, ii) regular users of te reo Māori. You must also be 18 years of age and have no reported hearing impairment.

Withdrawing: At the survey location, if you do not wish to proceed with participating in this survey after initially agreeing to the survey and reading this information sheet again, you can inform the researcher and withdraw from the study without giving a reason. There is no penalty for withdrawing from this survey or leaving it incomplete. You are not in any way bound to start this survey or to finish it. As the data collected will be analysed anonymously, no personally identifiable information will be published or distributed to any third parties. You may also withdraw up to 7 days after completing the survey by notifying the researcher without giving a reason.

Results: When the analysis of data obtained from this survey is complete, the findings from this research will be optionally made available to all participants. If you would like to receive an electronic copy of the results from the analysis of this data, please indicate on the questionnaire at the end of the experiment by supplying your email address. The page where you enter the details for the results of the survey is separate from the rest of the survey and therefore your personal details cannot be linked to the main part of the survey in any way.

Data collection: Your email address will not be given to any third parties, nor will it be used to identify you personally. The responses from the survey that cannot be linked to the individual participant will be stored digitally and indefinitely in a research drive indefinitely associated with the PI of the project (this is a secure and restricted drive with only the researchers working on the project having access to it). The analysed results will be presented at academic conferences and publications in academic papers. The consent forms will be stored physically by the PI at the Department of Mechanical and Mechatronics Engineering for a minimum of six years and will be destroyed after that. If the data collected from the participants is reported/published, this will be done in such a way that will not disclose the identity of the participants.

If you are a student of the PI we give our assurance that your participation or non-participation in this study will have no effect on your grades or relationship with the University and that you may contact your academic head should you feel that this assurance has not been met.

By participating and submitting the survey, you are acknowledging that you are at least 18 years old; that you have read and understood the information supplied on this page, describing the aims, content, and terms of the project; that you agree to participate in the project under those terms; and that you consent to the publication of the results of the project, with the understanding that anonymity will be preserved as far as possible.

We will be very happy to discuss any questions or concerns you may have about participation in this study. Our contact details are provided at the bottom of the page.

**Contact details:**

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**For any concerns regarding ethical issues you may contact:**

The University of Auckland Human Participants Ethics Committee,

Office of Strategy Research and Integrity,

University of Auckland,

Private Bag 92019, Auckland 1142.

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Approved by the University of Auckland Human Participants Ethics Committee on 18/09/2023 for three years. Reference Number 26316