



pcu PETRA
CHRISTIAN
UNIVERSITY

Sustainability Literacy and Attitudes Assessment Report

By Sustainability Team, 2024

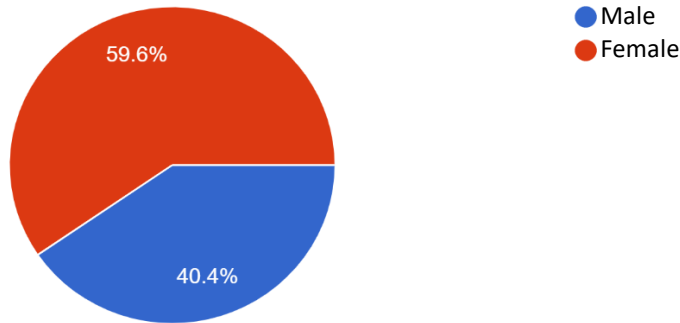
INTRODUCTION

Petra Christian University (PCU) is assessing sustainability literacy and behaviour among its employees and students to strengthen its commitment as a green campus, where sustainability values are embraced by all residents. This assessment initiative commenced in early 2024 for all campus members and would be incorporated into the orientation program for new students in the Class of 2024/2025. The assessment, adapted from the **Action Competence in Sustainable Development Questionnaire (ACiSD-Q)**, focuses on conceptual knowledge and behavioural aspects related to sustainability.

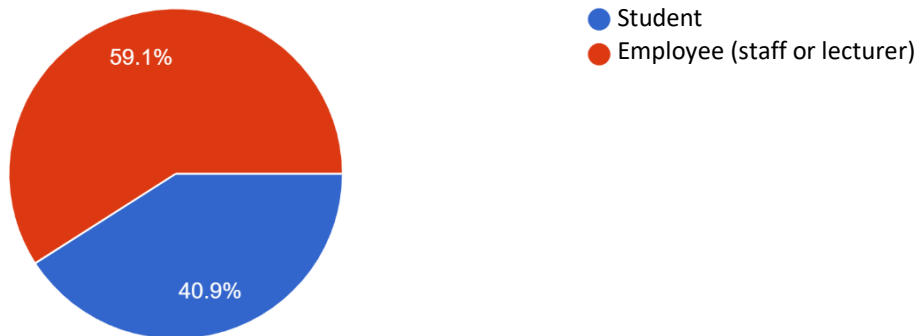
METHODOLOGY

The method employed is descriptive quantitative to assess the sustainability knowledge and behaviour of all campus members. Initially, a convenience sample was utilized to gather responses. Survey questions were presented via an online form distributed widely through internal campus communication channels and the WhatsApp messenger application. During this period, 418 respondents participated in the survey, representing approximately a 6.43% response rate. Demographic details of the respondents can be viewed in the accompanying image:

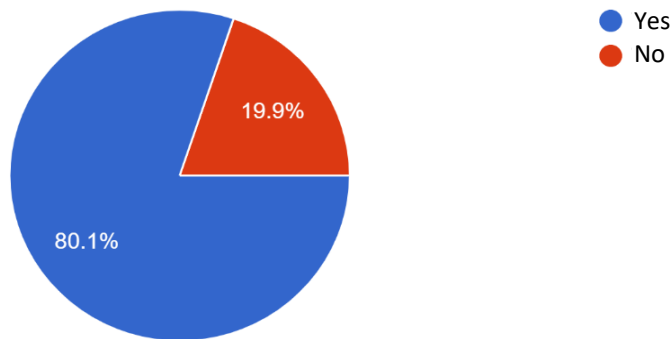
SEX



Demographic



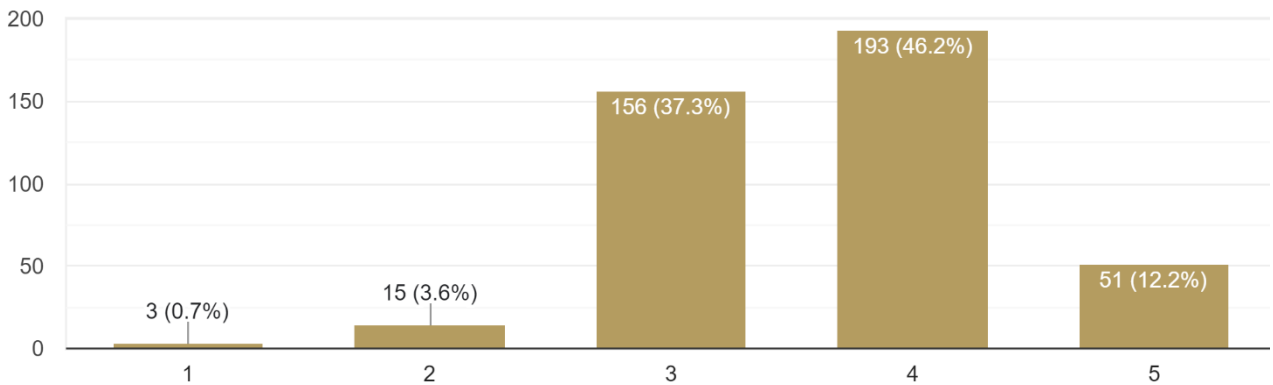
The survey revealed that 80.1% of respondents were aware of PCU's commitment to environmental sustainability through its green campus initiatives as shown in the diagram below:



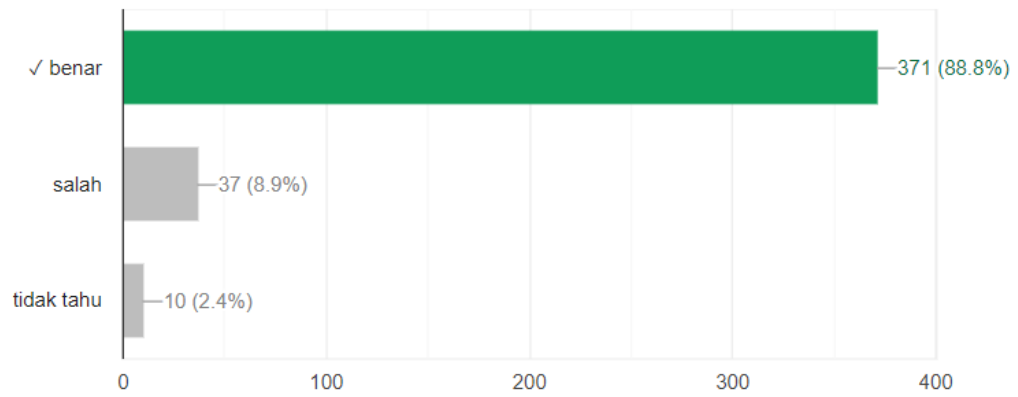
FINDINGS

1. Conceptual Knowledge of Sustainability

The first section of the survey assesses conceptual knowledge of sustainability through 8 questions, each scored out of a maximum of 8 to gauge respondents' understanding. Additionally, respondents are asked one question to evaluate their confidence in their knowledge. And the result shows:

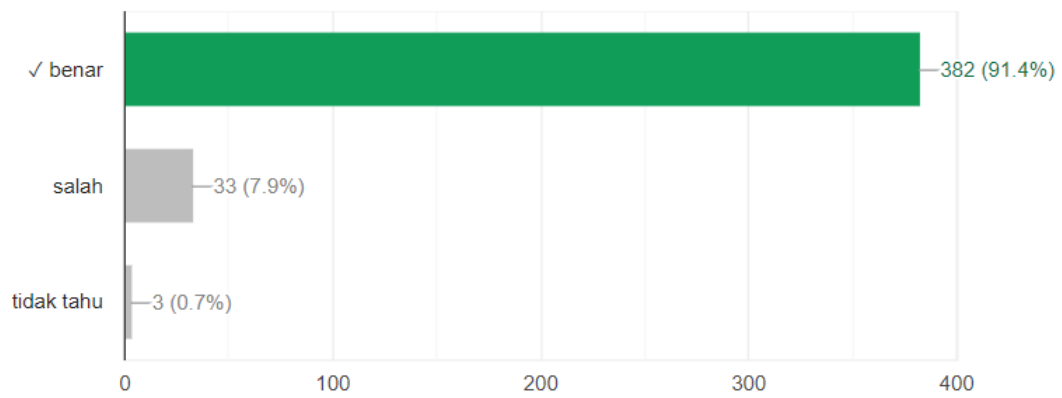


58.4% (sum of scale 4 and 5) of respondents believed they had good knowledge of sustainability, as evidenced by the average score of 6.68 out of 8 points obtained by respondents. Only 37.3% expressed doubt about their knowledge, while the remaining 4.3% acknowledged that their knowledge in sustainability was still low.



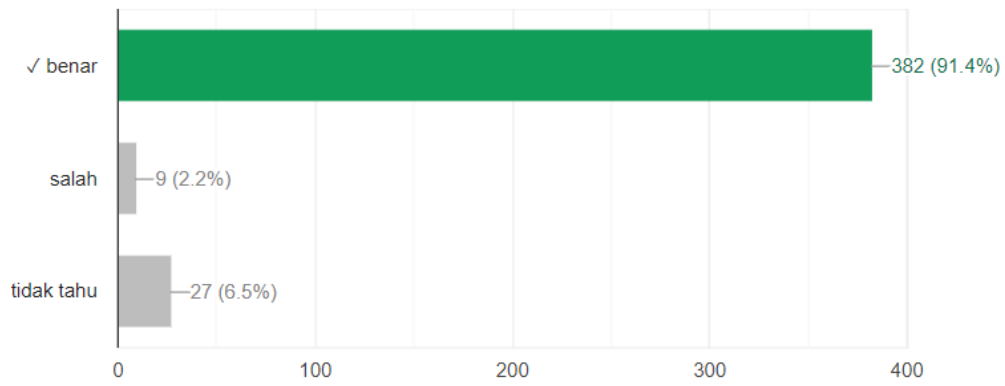
< **Row 1:** hemat energi berdampak terhadap pemanasan bumi (global warming) >

Overall, 88.8% of respondents provided correct answers regarding the impact of energy saving on global warming.



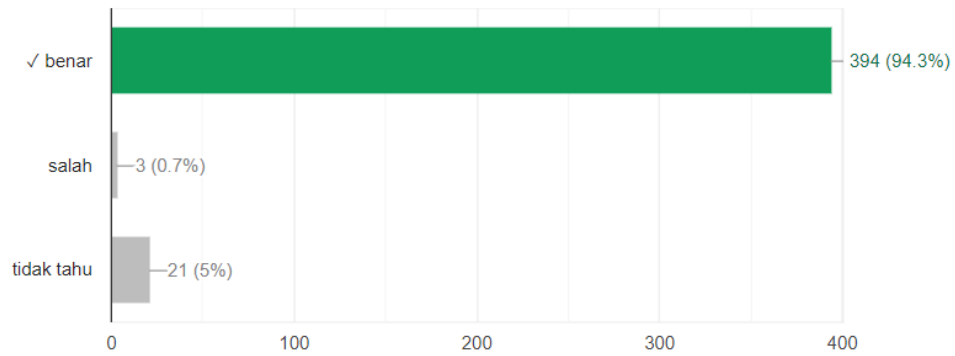
< **Row 2:** sampah plastik tidak dapat diurai oleh alam dan mencemari lingkungan >

Of all responses, 91.4% correctly identified that plastic waste cannot be naturally decomposed and contributes to environmental pollution.



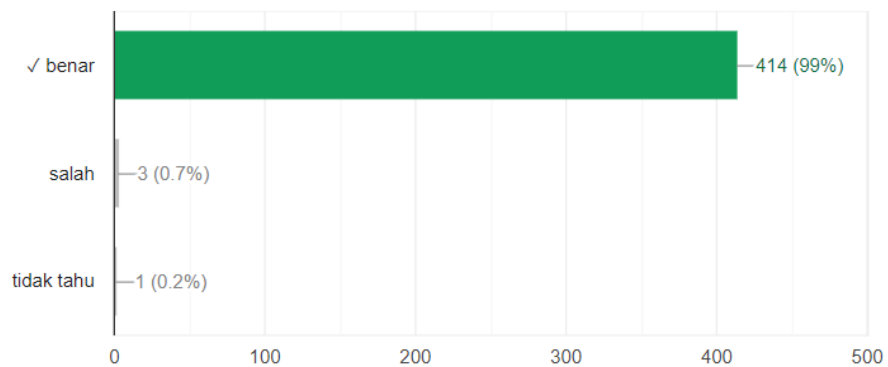
< **Row 3:** ketersediaan air bersih di bumi semakin berkurang >

A total of 91.4% of respondents correctly answered that the availability of clean water on Earth is decreasing.



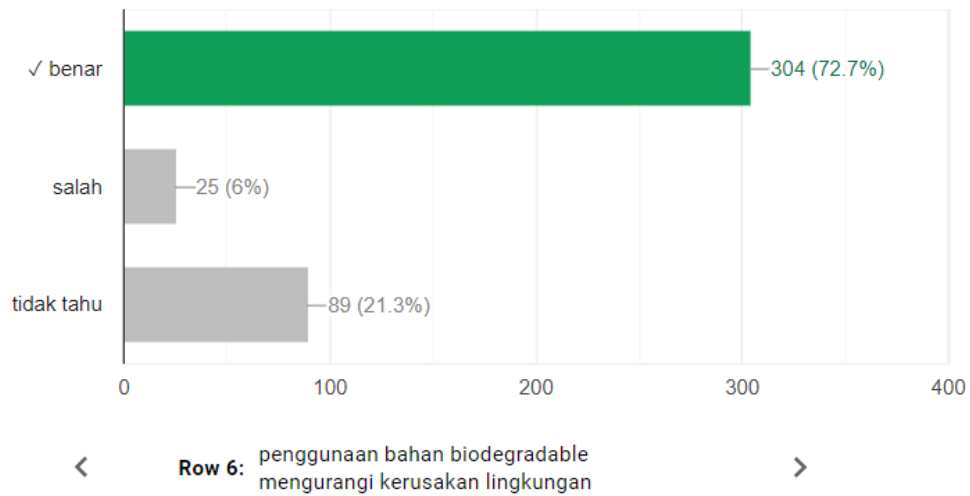
< **Row 4:** hutan mangrove dapat mengurangi abrasi air laut >

A total of 94.3% of respondents correctly answered that mangrove forests can reduce coastal abrasion.

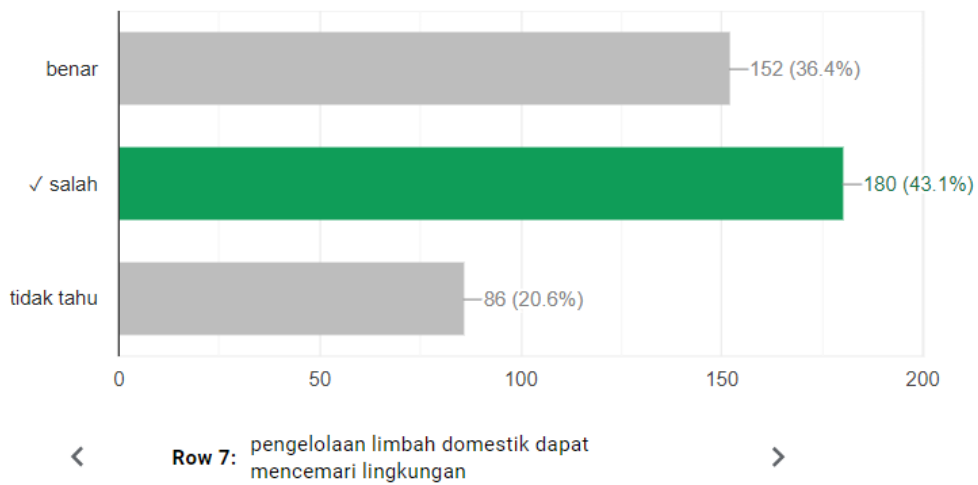


< **Row 5:** penggundulan hutan mengakibatkan kerusakan ekosistem >

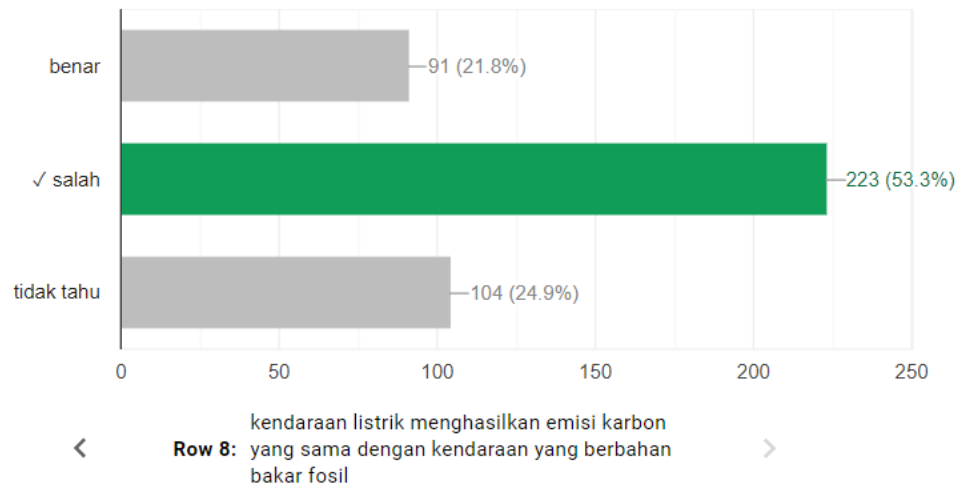
An impressive 99% of respondents correctly identified that deforestation causes ecosystem damage.



A total of 72.7% of respondents answered correctly regarding the use of biodegradable materials to reduce environmental damage.



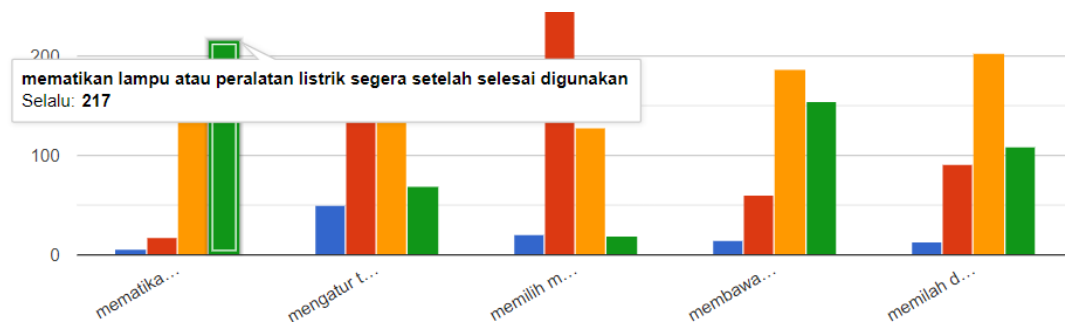
A total of 43.1% of respondents answered correctly regarding the impact of domestic waste management on environmental pollution. This question serves as a control measure to assess the application of sustainability knowledge in responding to the survey.



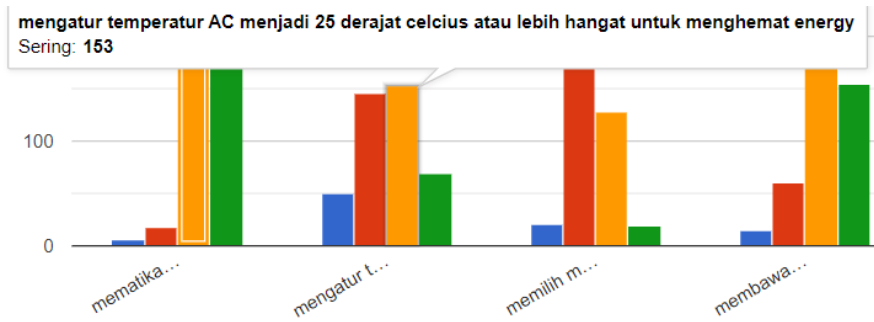
A total of 53.3% of respondents answered correctly regarding whether electric vehicles produce the same carbon emissions as fossil fuel vehicles. This question also serves as a control measure to assess the application of sustainability knowledge in responding to the survey.

2. Sustainability Behaviour

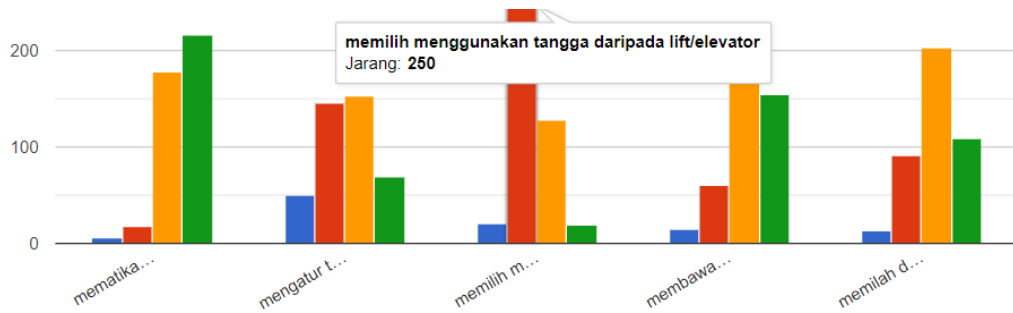
In addition to assessing knowledge, this assessment also aims to evaluate the extent to which respondents engage in actions that support sustainability. There are 13 action statements related to sustainability, and respondents can indicate the intensity of these actions using a scale divided into four colours and levels:



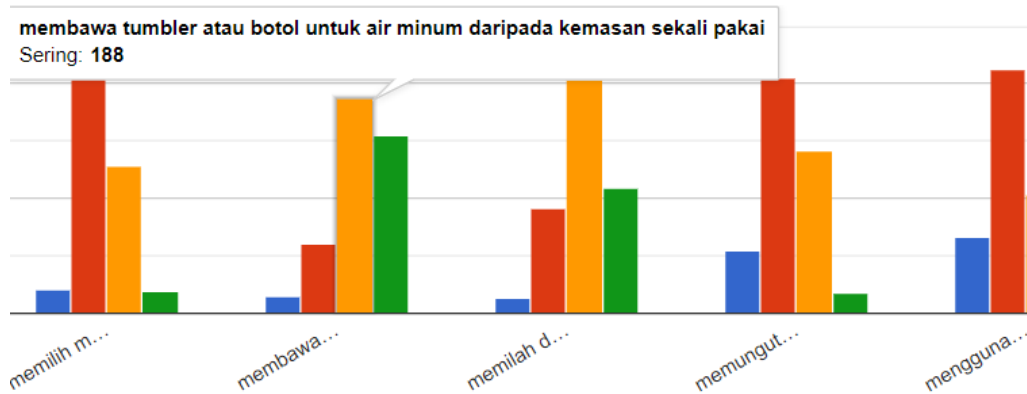
Regarding the practice of turning off electricity when not in use, 51.9% of respondents stated that they always do this, while 42.8% indicated that they often do this.



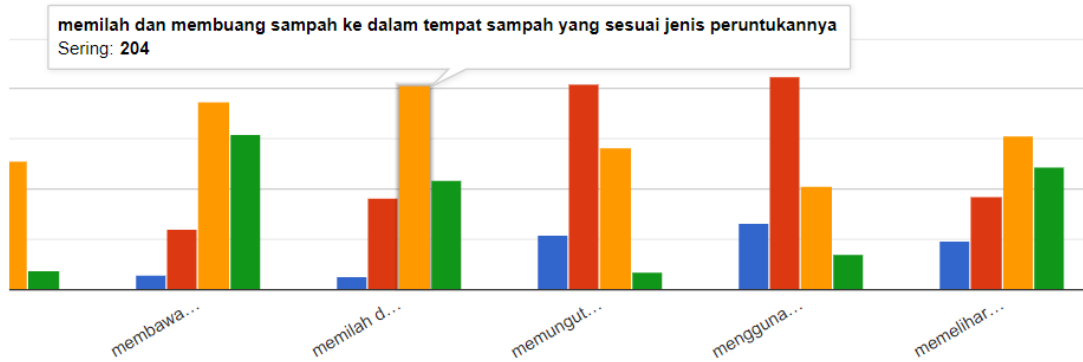
When it comes to adjusting the temperature of the air conditioning to save electricity, 36.6% of respondents said they often do it, 34.9% rarely do it, and only 16.5% always do it.



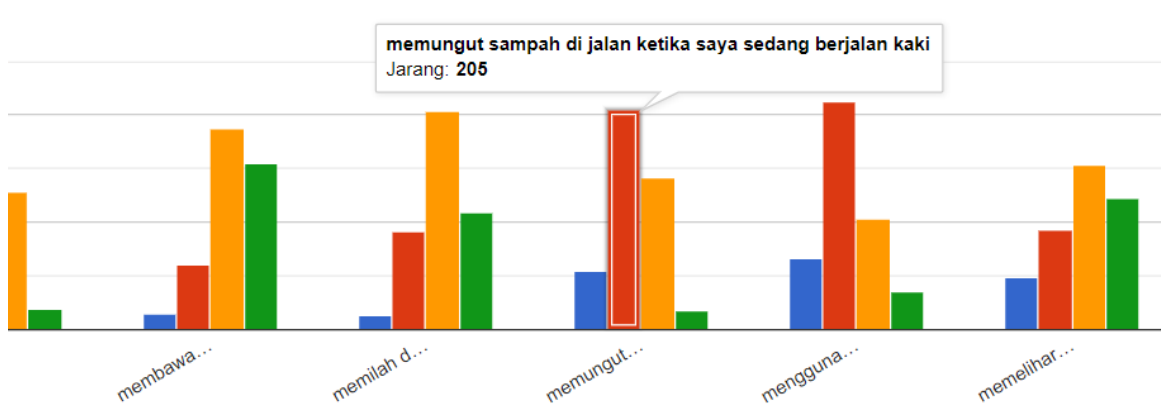
In terms of using stairs instead of elevators, 59.8% of respondents rarely do it, and only 30.8% do it often.



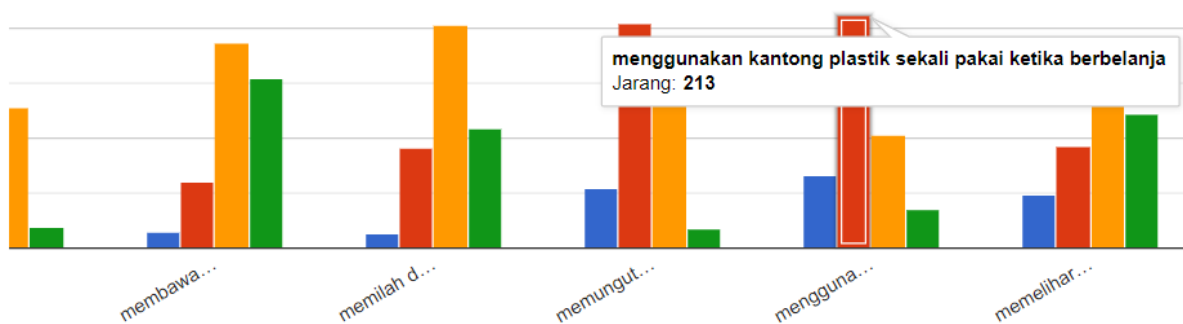
In terms of carrying a tumbler or drinking bottle, 44.9% often do it and 37.1% always do it.



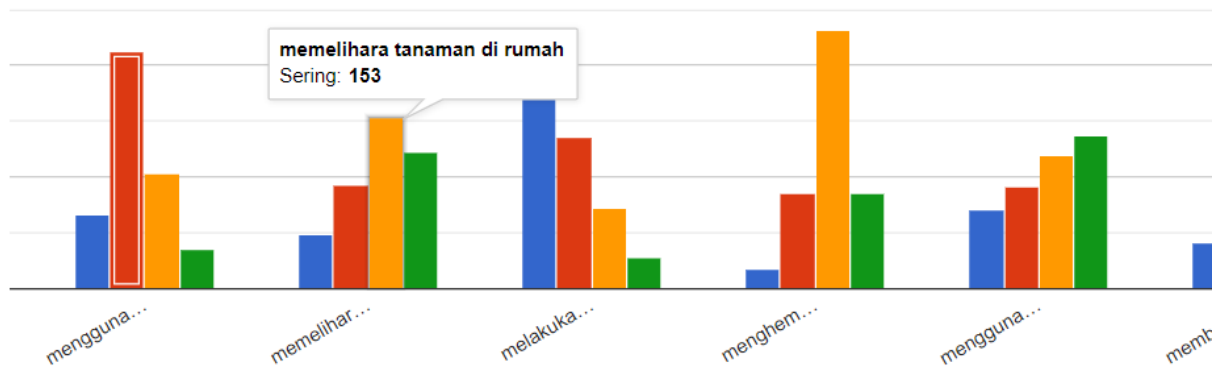
In terms of waste sorting behaviour, 48.8% of respondents often do it, and 26.1% always do it.



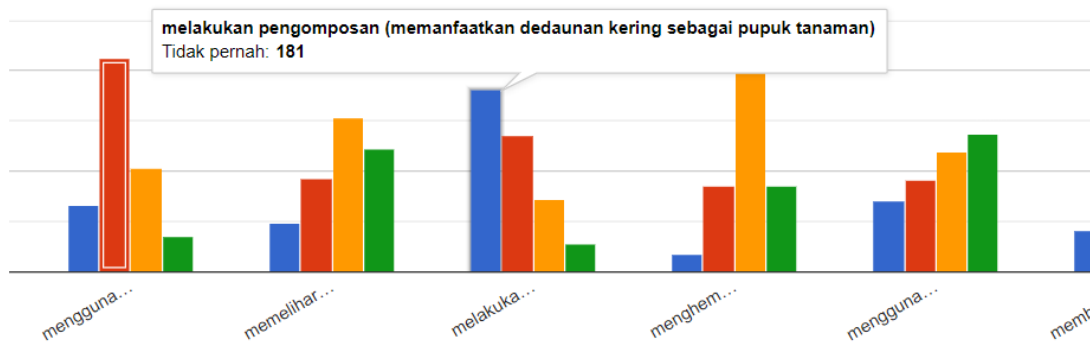
When it comes to picking up litter while walking and encountering scattered rubbish, 49% of respondents said they rarely do it, while 33.7% do it often. Only a small number always or never engage in this behaviour.



Regarding the use of single-use plastic bags when shopping, 50.9% of respondents said they rarely use them, and 16% never use them. This reflects positive awareness, with more than half of respondents showing awareness of plastic pollution by avoiding single-use plastic as much as possible.



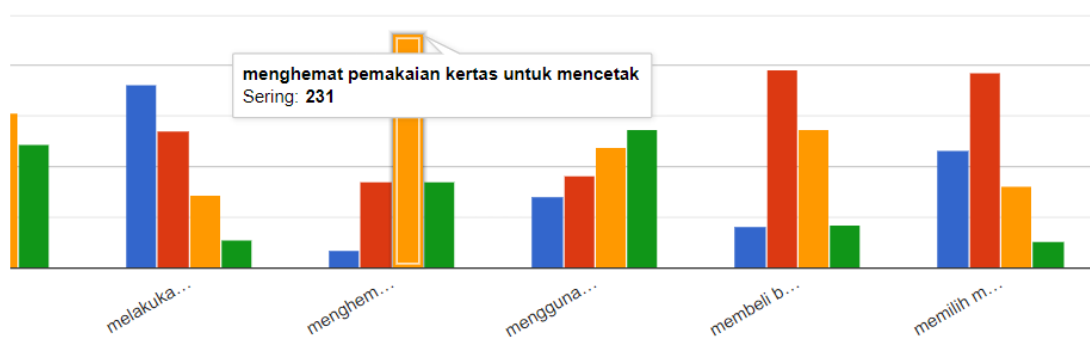
When it comes to caring for plants, 36.6% of respondents stated that they often care for plants, and 29.4% have plants at home. This indicates that a significant portion of respondents own and actively care for plants at home.



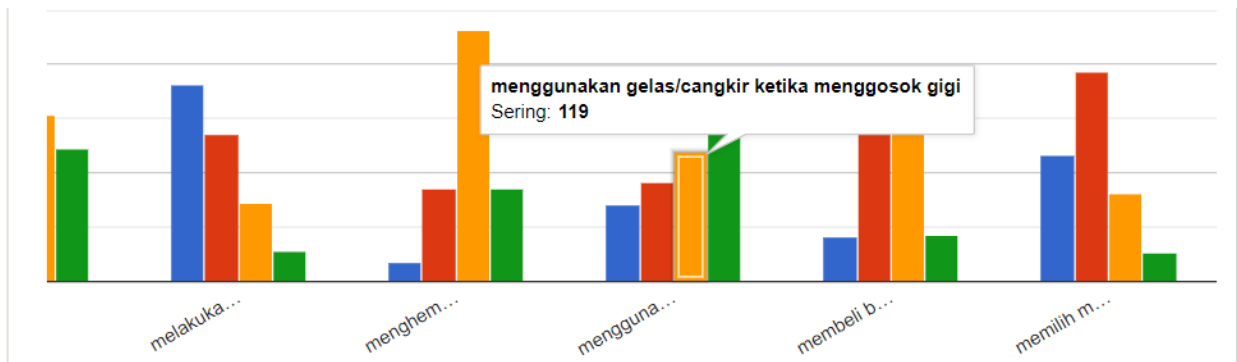
When it comes to composting, a significant number of respondents have never done it, with 43.3% reporting that they have never composted and 32.5% saying they rarely do it.

[Aspek Praktis] Saya melakukan hal-hal dibawah ini

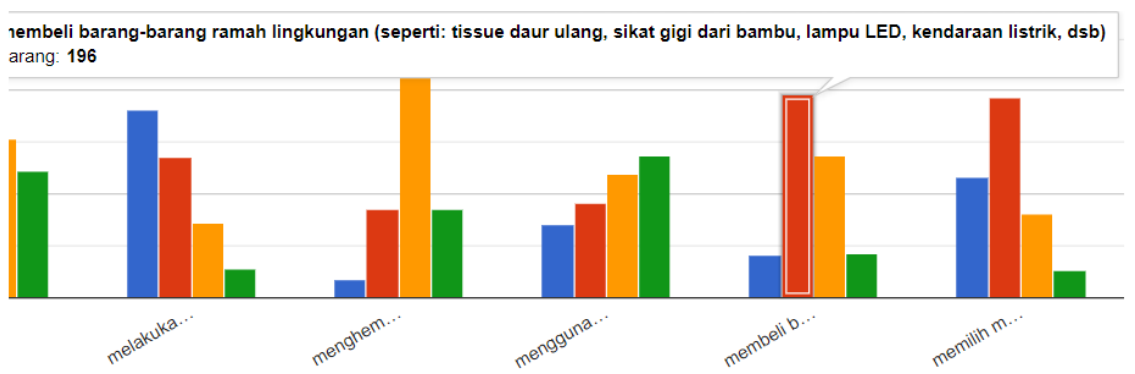
[Copy](#)



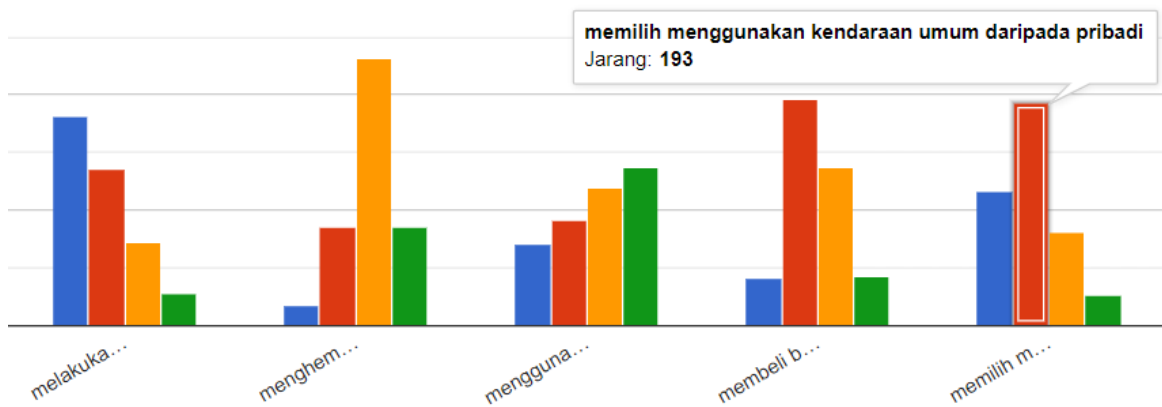
When it comes to saving paper usage, 55.3% of respondents said they often do it, and 20.3% either always or rarely do it. This reflects a high level of awareness among respondents regarding paper saving behaviour.



When it comes to using a glass or cup when brushing their teeth, 28.5% of respondents said they often do it, and 32.8% always do it. This indicates a high level of awareness among respondents regarding water-saving behaviour.



When it comes to green purchasing, 46.9% of respondents said they rarely do it, while 33% said they often do it. Only a small percentage always or never engage in green purchasing.



When it comes to using private vehicles, 46.2% of respondents rarely choose to use public transportation, and 27.9% never choose public transportation. Respondents prefer using their own vehicle over public transportation.

CONCLUSION

Understanding and interpreting the results of this assessment requires special attention to the level of generalization, which is closely linked to the response rate received.

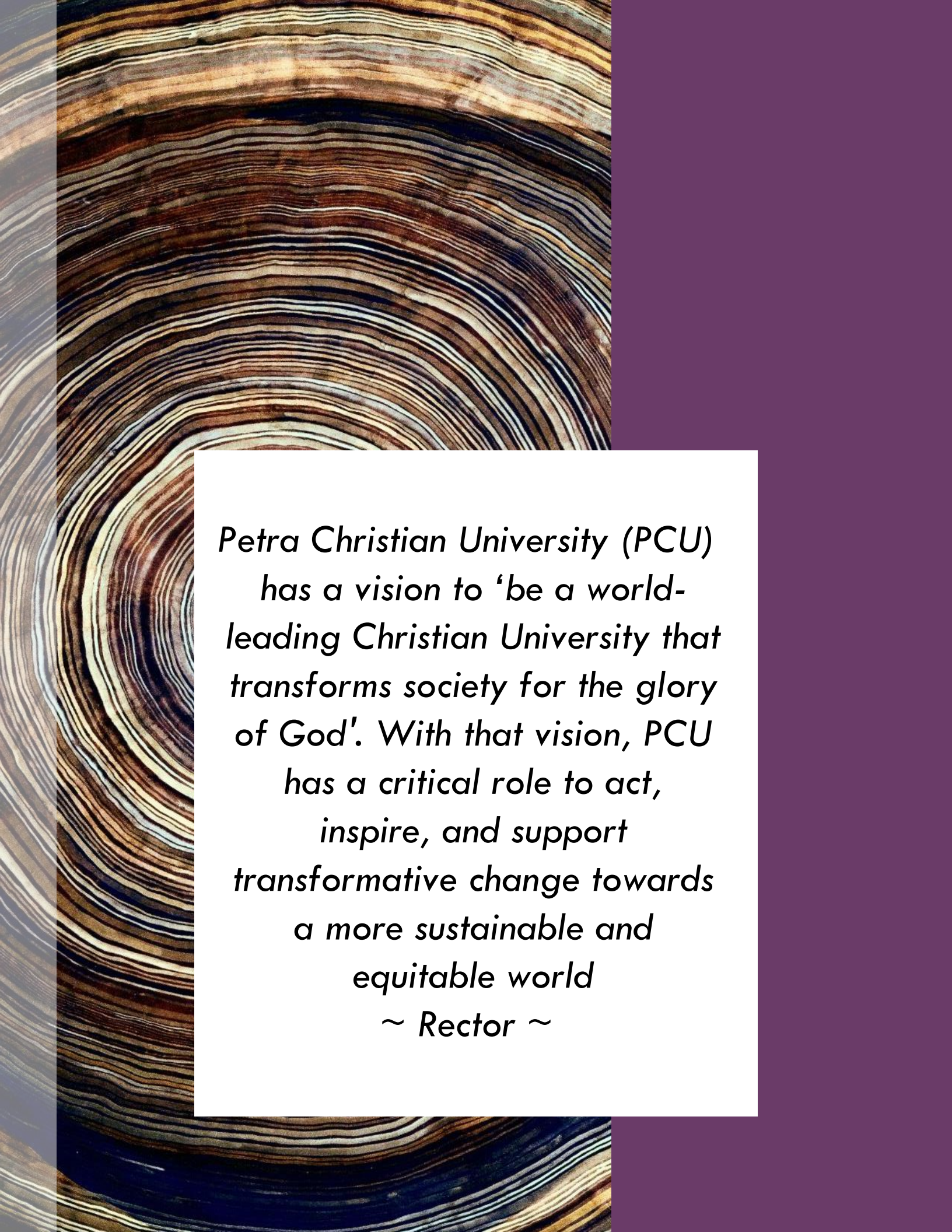
The results of this survey demonstrate that the majority of campus members have a strong understanding of sustainability, reflected in their confidence level, with an average sustainability knowledge score of 6.34 out of 8. In terms of behaviour, the majority of PCU campus members exhibit sustainable practices aligned with the Green Campus policy, such as

- ▶ Turning off electrical equipment when it is not in use
- ▶ Using a tumbler rather than a disposable water bottle
- ▶ Sorting rubbish for recycling
- ▶ Avoiding single-use plastic bags when shopping
- ▶ Maintaining plants
- ▶ Saving paper when printing
- ▶ Using a cup when brushing your teeth


However, there are several areas where the majority of PCU campus members can improve to support sustainability behaviours, including:

- ▶ Setting the AC temperature to save energy
- ▶ Choosing to use stairs rather than lifts/elevators
- ▶ Picking up trash when seeing it scattered while walking
- ▶ Composting
- ▶ Engaging in green purchasing practices
- ▶ Preferring to use public transportation rather than private vehicles





*Petra Christian University (PCU)
has a vision to 'be a world-
leading Christian University that
transforms society for the glory
of God'. With that vision, PCU
has a critical role to act,
inspire, and support
transformative change towards
a more sustainable and
equitable world
~ Rector ~*



*Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Etiam
aliquet eu mi quis lacinia.*