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RESEARCH ARTICLE

USING FIKR (FACET, INSIGHT, KNOWLEDGE AND RESILIENCE) PERSONALITY TRAITS TO UNDERSTAND THE HUMAN BEHAVIOURS ON FUKUSHIMA WASTEWATER DISCHARGE: A VIEWPOINT ON THE POSSIBLE SOLUTION

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ABSTRACT

This short note proposes using FIKR (Facet, Insight, Knowledge and Resilience) personality traits (PTs) to understand human behaviours regarding Fukushima wastewater discharge and provide a potential human psychological solution. The FIKR PTs are proposed to provide a framework for understanding and addressing human behaviours and concerns regarding the Fukushima wastewater discharge. By recognizing the FIKR PTs, we can engage in informed discussions, consider opposing viewpoints, and develop comprehensive solutions considering the potential risks and benefits of the Fukushima wastewater discharge. This approach will help protect public health and the environment and promote sustainable practices for future generations.

KEYWORDS

FIKR, Personality trait; Psychology; Wastewater discharge; Fukushima

1. INTRODUCTION

The Fukushima wastewater discharge issue has raised concerns and debates worldwide regarding its potential impact on human health and the environment (Ghimire and Johnston, 2017; Fukuma et al., 2017; Mabon et al., 2020; Hirose, 2020; Hirose, 2016; Gallardo and Marui, 2016).

This paper aims to propose using FIKR (Facet, Insight, Knowledge and Resilience) personality traits (PTs), which has been used as a personality effective assessment tool as used by Humanology Sdn Bhd, to understand human behaviour regarding Fukushima wastewater discharge and provide a potential psychological solution (Yap et al., 2024a, 2024b, 2024c). The following four FIKR components form the present proposal's main framework.

- Facet

The facet of FIKR PTs can help us understand the different perspectives and concerns surrounding the Fukushima wastewater discharge.

- Insight

With insight, we can delve deeper into individuals' motivations and beliefs regarding the Fukushima wastewater discharge. This can help us understand why some individuals support the discharge while others oppose it.

- Knowledge

Knowledge about the scientific and environmental aspects of Fukushima wastewater discharge is crucial. A comprehensive understanding of the potential risks and consequences associated with the discharge is essential for making informed decisions and developing effective solutions.

- Resilience

Resilience is essential in addressing the Fukushima wastewater discharge issue. It allows us to navigate through challenges, adapt to changing circumstances, and find sustainable solutions that prioritize the well-being of both humans and the environment.

The proposed conceptual frame using FIKR personality traits is presented in Figure 1. By applying the FIKR PTs, we can comprehensively understand human behaviours regarding the Fukushima wastewater discharge. This understanding can help us develop effective communication strategies, address concerns, and find sustainable solutions that balance the needs of various stakeholders while minimizing potential risks to human health and the environment. This approach highlights the importance of considering the different facets and insights of individuals, utilizing knowledge about the issue, and demonstrating resilience in finding solutions that address concerns and promote the long-term well-being of both humans and the environment (Jatiningtyas et al., 2020; Peng et al., 2021).

FIKR PTs can also help us identify and address potential psychological factors that may influence human behaviours regarding the Fukushima wastewater discharge. By considering the facets of FIKR PTs, we can gain insight into how individuals may perceive and respond to the issue based on their unique personalities and experiences (Jonnalagadda and Mhere, 2001).

The facet of FIKR PTs can help us understand the different perspectives and concerns surrounding the Fukushima wastewater discharge. For example, individuals with a high level of conscientiousness may prioritize environmental protection and sustainability, leading them to oppose the discharge. On the other hand, individuals with a high level of resilience may focus on finding solutions that minimize risks and maximize benefits, leading them to support the discharge as a necessary measure for managing the wastewater. Insight, another facet of FIKR PTs, can help us delve deeper into the underlying reasons and beliefs that shape individuals' behaviours and attitudes towards the Fukushima wastewater discharge. For example, individuals with a strong sense of responsibility towards future generations may have concerns about the potential long-

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term impacts of the discharge on the environment and human health. Knowledge, another facet of FIKR PTs, is crucial in understanding the technical aspects of the Fukushima wastewater discharge. This includes knowledge about the treatment processes, the levels of contaminants in the water, and the potential risks associated with different disposal methods (Islam and Tanaka, 2004; Reichelt-Brushett, 2023; Garg et al., 2022; Ikenoue et al., 2022).

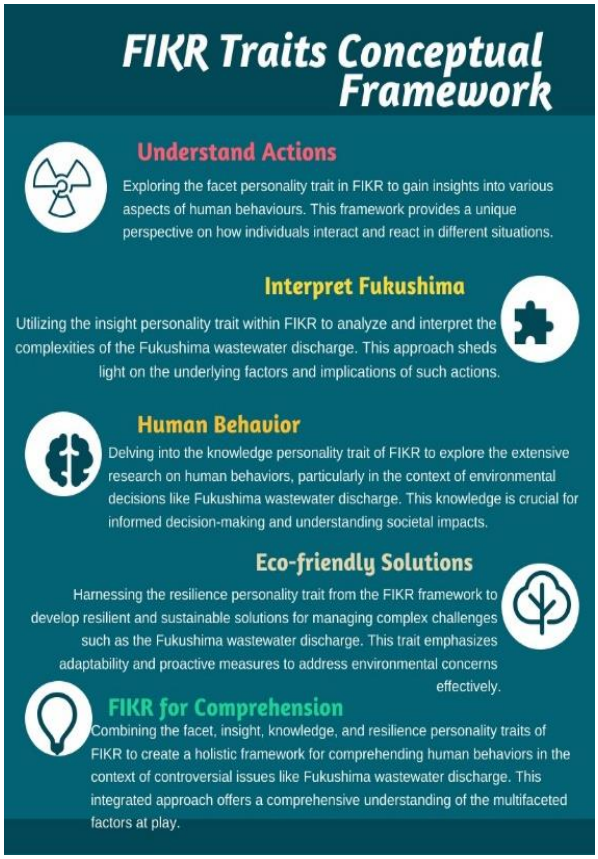

Figure 1: The proposed conceptual frame using FIKR personality traits.

By considering individuals' knowledge levels, we can tailor communication and education efforts to address misconceptions or gaps in understanding. Resilience, the final facet of FIKR PTs, is critical in finding effective and sustainable solutions to the Fukushima wastewater discharge. It enables individuals to adapt and bounce back from challenges, setbacks, and uncertainties. This resilience can be harnessed to foster constructive dialogue, collaboration, and problem-solving among stakeholders involved in the Fukushima wastewater discharge issue (Takada et al., 2022; Liao et al., 2023).

By understanding and leveraging the facets of FIKR PTs, we can engage with individuals and communities to foster a more comprehensive and inclusive approach to addressing the Fukushima wastewater discharge. Using the FIKR PTs allows us to gain insights into the different perspectives and concerns surrounding the Fukushima wastewater discharge. These insights can inform decision-making processes and help develop strategies that balance environmental protection, public health considerations, and the sustainable management of wastewater. The completion of the sentence is: "By understanding and leveraging the facets of FIKR PTs, we can engage with individuals and communities to foster a more comprehensive and inclusive approach to addressing the Fukushima wastewater discharge."

While the FIKR PTs offer valuable insights into understanding human behaviours regarding the Fukushima wastewater discharge, it is important to consider opposing arguments that challenge the proposed solutions. Some may argue that the potential risks of the discharge outweigh any perceived benefits. They may emphasize that the long-term impact on the environment and human health is uncertain, and the discharge could lead to widespread ecological damage and health concerns for future generations.

Furthermore, opponents of the discharge may argue that the knowledge about the technical aspects of wastewater management is not comprehensive enough to ensure the safe implementation of the discharge. They may highlight concerns about the water's levels of contaminants and their potential effects on marine life and ecosystems.

Additionally, the resilience aspect of the FIKR PTs may be viewed differently by those who oppose the discharge, as they may assert that resilience should be demonstrated through finding alternative, sustainable solutions that do not pose potential risks to the environment and public health.

Considering the facets of the FIKR PTs, it is crucial to acknowledge and address the opposing viewpoints and concerns surrounding the Fukushima wastewater discharge. This comprehensive approach will foster balanced and informed decision-making processes prioritising the long-term well-being of humans and the environment. By acknowledging and addressing opposing viewpoints, we can engage in constructive dialogue and develop solutions considering wastewater discharge's potential risks and benefits.

By understanding and leveraging the facets of FIKR PTs, we can engage with individuals and communities to foster a more comprehensive and inclusive approach to addressing the Fukushima wastewater discharge. This approach will involve actively listening to concerns, providing transparent information, and considering alternative solutions to mitigate potential risks.

2. Conclusion

The FIKR PTs could provide a framework for understanding and addressing human behaviours and concerns regarding the Fukushima wastewater discharge. By recognizing the FIKR PTs, we can engage in informed discussions, consider opposing viewpoints, and develop comprehensive solutions considering the potential risks and benefits of the Fukushima wastewater discharge. This approach will help protect public health and the environment and promote sustainable practices for future generations.

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