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# DYNAMICS OF MODERN POLITICAL SCIENCE EDUCATION IN DEVELOPING ASIAN COUNTRIES: CHALLENGES, INNOVATIONS, AND POLICY IMPLICATIONS

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## Abstract

This review explores the state of political science education in developing Asian countries, emphasizing its importance in enhancing civic engagement and guiding policy-making. Through an extensive literature review and analysis of case studies from top institutions, the study identifies significant obstacles, such as insufficient resources, political interference, and a scarcity of qualified faculty, which impede program effectiveness. Successful political science programs are characterized by innovative curricula incorporating local contexts, experiential learning opportunities, and community involvement. Case studies from the National University of Singapore and the University of the Philippines provide examples of best practices in cultivating critical thinking and civic responsibility among students. The review suggests several improvements: enhancing the relevance of curricula, investing in faculty development, encouraging civic engagement activities, using technology to improve learning, and reducing political interference to safeguard academic freedom. By adopting these strategies, political science education can better equip students to become knowledgeable citizens and effective policymakers, thereby supporting the growth of democratic values and practices. This study highlights the essential role of political science education in fostering active and engaged citizens and the necessity of educational reform in the region.

**Keywords:** Political Science Education, Developing Asian Countries, Civic Engagement, Policy Making, Curriculum Development

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## Introduction

Political science education plays a crucial role in shaping the political landscape of developing Asian countries. As these nations grapple with issues of governance, democracy, and civic engagement, the education system must adapt to meet society's evolving needs. This introduction aims to contextualize the dynamics of political science education within the broader framework of socio-political development in these regions, highlighting both the challenges and opportunities that arise in this context.

The historical evolution of political science education in Asia has been significantly influenced by colonial legacies, socio-economic factors, and political upheavals. For instance, countries like India and Indonesia have experienced a tumultuous journey from colonial rule to independence, profoundly impacting their educational systems. Establishing political science as a formal discipline in these countries often mirrored their populations' political struggles and aspirations. In India, for example, political science emerged as a discipline in the early 20<sup>th</sup> century, primarily influenced by the nationalist movement, which sought to understand and critique colonial governance (Hofstein et al., 2011). Similarly, Indonesia's political science education evolved in response to the country's fight for independence and the subsequent establishment of a democratic state (Suratno, 2014).

In contemporary times, the importance of political science education in fostering democratic values and civic engagement cannot be overstated. Research indicates that education significantly influences political participation, with higher levels of education correlating with increased civic engagement and political awareness (Zvulun & Harel, 2018). This relationship is particularly pertinent in developing Asian countries, where political literacy is essential for empowering citizens to hold their governments accountable and participate actively in democratic processes. For instance, a study conducted in Bangladesh revealed that students who received formal education in political science were more likely to engage in community service and political activism than their peers from other disciplines (Hickey & Hossain, 2019). Similarly, a case study in Thailand found that students who studied political science tended to have more rational political behavior in making referendum voting decisions than students who studied other fields (Saenphumi et al., 2017) and that citizens with higher levels of education were also more likely to participate in constitutional amendments. (Jantaraviset & Chailertwanitkul, 2013).

However, political science education in developing Asian countries faces numerous challenges that hinder its effectiveness. Resource constraints, inadequate infrastructure, and a need for qualified faculty are prevalent issues that many institutions encounter. For example, in Cambodia, the political science curriculum has been criticized for its lack of depth and relevance, often failing to address the unique socio-political context of the country (Ishiyama, 2023). Moreover, political interference in educational institutions can stifle academic freedom and limit the scope of political discourse, further exacerbating the challenges faced by political science educators (Khodary, 2019).

The internationalization of political science education is another critical aspect that warrants attention. As globalization shapes educational paradigms, developing countries increasingly seek to integrate international perspectives into their curricula. This trend is evident in the efforts made by universities in countries like Vietnam and Thailand to adopt Western pedagogical models and research methodologies (Zapp & Lerch, 2020). However, the challenge lies in balancing these international influences with local realities, ensuring that the curriculum remains relevant to the specific needs and aspirations of the student population. For instance, while Western models of political science education emphasize empirical research and quantitative analysis, many developing countries may benefit more from qualitative approaches that consider local cultural and political contexts (Fonseca & Segatto, 2019).

Furthermore, the role of technology in enhancing political science education must be considered. The COVID-19 pandemic has accelerated the adoption of online learning platforms, providing new opportunities for students and educators (Mustari et al., 2021). In countries like the Philippines, universities have leveraged technology to deliver political science courses, enabling greater access to education for students in remote areas (Liu, 2013). However, this shift also raises concerns about the digital divide, as not all students have equal access to the necessary technology and internet connectivity, potentially exacerbating existing educational inequalities (Serra & Gerits, 2019).

In addition to these challenges, the relevance of political science education in addressing pressing societal issues must be emphasized. The curriculum should not only focus on theoretical frameworks but also incorporate practical applications that equip students with the skills to navigate complex political landscapes. For example, integrating case studies and experiential learning opportunities can enhance students' understanding of real-world political dynamics, fostering critical thinking and problem-solving skills (Hanson et al., 2017). Moreover, engaging students in community-based projects can help bridge the gap between academic knowledge and practical application, empowering them to contribute meaningfully to their communities.

The increasing demand for skilled professionals in governance and public policy further underscores the need for a comprehensive approach to political science education. As developing Asian countries strive to improve their governance structures and enhance public service delivery, the role of political science graduates becomes increasingly vital. Institutions must, therefore, align their curricula with the skills and competencies required in the job market, ensuring that graduates are well-prepared to meet the demands of public administration and policy-making (Qi, 2023).

In conclusion, the dynamics of political science education in developing Asian countries are shaped by a myriad of factors, including historical legacies, socio-political contexts, and global trends. While challenges persist, there are significant opportunities for reform and innovation within the educational landscape. By prioritizing relevance, inclusivity, and practical application, political science education can play a transformative role in fostering democratic values and civic engagement in these regions. As such, educators, policymakers, and stakeholders must collaborate to create an educational framework that addresses the current challenges and prepares future generations for active participation in their societies.

## Theoretical Framework

The theoretical framework for political science education in developing Asian countries is multifaceted, drawing from various educational theories and political paradigms that shape the pedagogical landscape. This framework serves as a lens through which we can analyze political science education's effectiveness, relevance, and challenges in these contexts. It encompasses several key theories, including constructivism, critical pedagogy, and the concept of knowledge regimes, each contributing to a deeper understanding of how political science education can be structured to meet the needs of students and society.

### Constructivism in Political Science Education

Constructivism posits that knowledge is constructed through social interactions and experiences rather than being transmitted from teacher to student. This theory is particularly relevant in political science education, where students are encouraged to engage critically with political concepts and frameworks. In developing Asian countries, political contexts are often complex and fluid; constructivist approaches can empower students to analyze and interpret political phenomena actively. For instance, a study conducted in Malaysia highlighted the effectiveness of constructivist teaching methods in enhancing students' critical thinking and

analytical skills, which are essential for understanding the intricacies of political systems (Ng, 2010).

Moreover, constructivism aligns with fostering civic engagement and democratic participation among students. Educators can cultivate a sense of agency and responsibility by encouraging students to explore political issues through collaborative projects and discussions. This approach is supported by empirical evidence indicating that students who engage in constructivist learning environments are more likely to participate in civic activities and develop a deeper understanding of democratic principles (Rexe, 2015).

### **Critical Pedagogy**

Critical pedagogy, rooted in the works of Paulo Freire, emphasizes the importance of dialogue, reflection, and social justice in education. This theoretical framework is particularly pertinent in developing Asian countries, where historical injustices and socio-political inequalities persist. Critical pedagogy encourages educators to challenge oppressive structures and empower students to participate actively in their communities. For example, in the Philippines, political science educators have adopted critical pedagogy to address issues of inequality and corruption, fostering a curriculum that emphasizes social justice and civic responsibility (Rodríguez, 2015).

The application of critical pedagogy in political science education can lead to transformative learning experiences. Students acquire knowledge and develop a critical consciousness to question and challenge the status quo. Research has shown that students exposed to critical pedagogy are more likely to engage in activism and advocate for social change, thereby contributing to the democratization process in their respective countries (Han, 2014).

### **Knowledge Regimes**

Knowledge regimes govern knowledge production, dissemination, and validation within a specific context. Knowledge regimes are crucial in shaping curricula and pedagogical practices in political science education. In developing Asian countries, the interplay between local knowledge systems and global educational trends creates a unique landscape for political science education.

For instance, a study examining education reforms in Bangladesh and Cambodia revealed that integrating local knowledge and cultural contexts into political science curricula significantly enhances students' engagement and understanding of political issues (Aasen et al., 2013). This approach validates local perspectives and fosters a sense of ownership among students, encouraging them to apply their knowledge to address real-world challenges.

Furthermore, the influence of global knowledge regimes must be considered. As developing countries increasingly adopt international standards and practices in education, critically assessing how these frameworks align with local realities is necessary. A comparative analysis of political science education in various Asian countries suggests that while internationalization can enhance the quality of education, it may also marginalize local knowledge and perspectives (Aalderen-Smeets et al., 2011). Therefore, a balanced approach integrating global and local knowledge regimes is essential for effectively teaching political science.

### **The Role of Technology in Education**

Technology integration in political science education has emerged as a significant factor influencing pedagogical practices. In the context of developing Asian countries, where access to information and communication technology is rapidly expanding, educators are increasingly leveraging digital tools to enhance learning experiences. Online platforms, social media, and digital resources allow students to engage with political content innovatively.

For example, during the COVID-19 pandemic, many Southeast Asian universities transitioned to online learning, prompting educators to explore new pedagogical approaches. Research indicates that students who participated in online political science courses reported higher engagement and satisfaction than those in traditional classroom settings (Kaya et al., 2018).

This shift highlights the potential of technology to facilitate learning and underscores the importance of adapting pedagogical practices to meet the needs of a digitally literate generation.

However, the digital divide remains a significant challenge in many developing countries, where disparities in access to technology can exacerbate existing inequalities in education. Addressing these disparities is crucial for ensuring that all students have equal opportunities to engage in political science education effectively (Yata et al., 2020). Thus, while technology offers promising avenues for enhancing political science education, it is essential to consider the broader socio-economic context in which these tools are implemented.

### **Implications for Policy and Practice**

The theoretical frameworks discussed above have important implications for policy and practice in political science education. Policymakers and educators must recognize the value of adopting constructivist and critical pedagogical approaches prioritizing student engagement and social justice. This requires a commitment to curriculum reform that incorporates local knowledge, fosters critical thinking, and encourages civic participation.

Moreover, integrating technology into political science education should be approached cautiously, ensuring all students can access the necessary resources and support. This may involve investing in infrastructure, training educators, and developing inclusive policies addressing the digital divide.

In conclusion, constructivism, critical pedagogy, and knowledge regimes shape the theoretical framework for political science education in developing Asian countries, each contributing to a nuanced understanding of the educational landscape. By embracing these frameworks, educators can create more relevant, engaging, and transformative learning experiences that empower students to navigate the complexities of their political environments.

## **Curriculum Development and Internationalization**

The landscape of political science education in developing Asian countries is transforming significantly, driven by the dual forces of curriculum development and internationalization. As these nations strive to enhance their educational frameworks, integrating global perspectives into local curricula becomes increasingly essential. This section explores the dynamics of curriculum development in political science education, emphasizing the importance of internationalization and its implications for teaching and learning.

### **The Need for Curriculum Development**

Curriculum development in political science education is crucial for equipping students with the knowledge and skills necessary to navigate complex political landscapes. In many developing Asian countries, traditional curricula often emphasize rote learning and theoretical knowledge, which may not adequately prepare students for real-world political challenges. For instance, a study conducted in Cambodia highlighted the need for a more relevant and context-specific political science curriculum that addresses local governance issues and civic engagement (Heriansyah, 2014). Educators can foster a more dynamic learning environment that encourages students to engage with contemporary political issues by incorporating case studies, experiential learning, and critical analysis.

Moreover, curriculum development should reflect the socio-political realities of each country. For example, political science programs in Indonesia have begun integrating local political history and contemporary governance challenges into their curricula, allowing students to better understand their political environment's complexities (Haruyunyan & Ohanyan, 2019). This approach enhances students' critical thinking skills and empowers them to contribute meaningfully to their communities.

### **Internationalization as a Strategic Imperative**

Internationalization has become a strategic imperative for higher education institutions worldwide, including developing Asian countries. Internationalization involves integrating an international and intercultural dimension into higher education's goals, functions, and delivery (Du & Luo, 2016). This can take various forms, including partnerships with foreign institutions, student exchange programs, and incorporating global perspectives into curricula.

The benefits of internationalization are manifold. It enhances the quality of education by exposing students to diverse viewpoints and methodologies, thereby fostering a more comprehensive understanding of political science. For instance, a study in Lithuania found that internationalization initiatives in higher education led to improved academic performance and increased competitiveness among graduates in the global job market (Urbanovič & Wilkins, 2013). Similarly, in Vietnam, universities that have embraced internationalization have reported higher levels of student engagement and satisfaction and improved academic outcomes (Zapp & Lerch, 2020).

### **Curriculum Internationalization Strategies**

To effectively internationalize the political science curriculum, institutions must adopt strategic approaches that align with their educational goals and local contexts. One effective strategy is the development of joint degree programs and partnerships with foreign universities. Such collaborations can facilitate knowledge exchange and allow students to study abroad, broadening their academic horizons (Crăciun, 2015). For example, establishing joint programs between universities in Thailand and Western institutions has exposed students to different political systems and governance models, enriching their understanding of global political dynamics (Debych, 2021).

Another important aspect of curriculum internationalization is incorporating international case studies and comparative analyses. Students can better understand political phenomena by examining various countries' political systems and governance practices. Research has shown that students who engage with international case studies are better equipped to analyze and address complex political issues in their own countries (Taskoh, 2020). For instance, political science programs in the Philippines have begun to integrate comparative politics into their curricula, allowing students to draw lessons from the experiences of other nations (Yemini, 2013).

### **Challenges to Curriculum Development and Internationalization**

Despite the potential benefits of curriculum development and internationalization, several challenges persist in developing Asian countries. One significant barrier is the need for more resources and infrastructure to support internationalization initiatives. Many institutions face financial constraints that limit their ability to establish partnerships, develop joint programs, or invest in faculty training (Liu, 2023). Additionally, political instability and bureaucratic hurdles can impede efforts to internationalize the curriculum, as seen in countries like Myanmar, where ongoing political turmoil has disrupted educational reforms (Jafar & Sabzalieva, 2022).

Furthermore, there is often resistance to change within educational institutions. Faculty members may hesitate to adopt new teaching methodologies or integrate international perspectives into their courses, mainly if they are accustomed to traditional pedagogical approaches. This resistance can hinder the successful implementation of curriculum development and internationalization efforts (Leask, 2013). To address these challenges, institutions need to foster a culture of collaboration and innovation, encouraging faculty to embrace new ideas and approaches to teaching.

### **The Role of Technology in Curriculum Internationalization**

The rapid advancement of technology has also played a pivotal role in facilitating curriculum internationalization. Online learning platforms and digital resources provide educators new tools to enhance teaching and engage students meaningfully. For example, during the COVID-

19 pandemic, many Southeast Asian universities transitioned to online learning, allowing them to maintain academic continuity while expanding their reach to international students (Jeon et al., 2023). This shift has prompted educators to explore innovative pedagogical approaches that leverage technology to create more interactive and engaging learning experiences.

Moreover, technology can help bridge the gap between local and global perspectives in political science education. By utilizing online resources, students can access a wealth of information on international political developments, enabling them to contextualize their learning within a global framework. For instance, students in Bangladesh have used online platforms to collaborate with peers from other countries, sharing insights and perspectives on pressing political issues (Svensson & Wihlborg, 2010). This collaborative approach enhances students' understanding of global politics and fosters cross-cultural communication skills essential in today's interconnected world.

In conclusion, the dynamics of curriculum development and internationalization in political science education are critical for fostering a more relevant and practical educational framework in developing Asian countries. By embracing innovative teaching methodologies, integrating international perspectives, and leveraging technology, educational institutions can enhance the quality of political science education and better prepare students for the challenges of the 21<sup>st</sup> century. However, addressing the challenges of resource constraints, resistance to change, and political instability will be essential for realizing the full potential of these initiatives. Ultimately, a concerted effort from educators, policymakers, and stakeholders will be necessary to create a more inclusive and globally oriented political science curriculum that empowers students to engage meaningfully with their political environments.

## **Pedagogical Approaches and Teaching Methods**

The pedagogical approaches and teaching methods employed in political science education in developing Asian countries are critical for fostering an engaging and effective learning environment. As political science encompasses a wide range of topics, including governance, public policy, and international relations, teaching methods can significantly influence students' understanding and engagement with the subject matter. This section explores various pedagogical approaches, including active learning, blended learning, and constructivist methods, while highlighting empirical evidence that supports their effectiveness in enhancing political science education.

### **Active Learning**

Active learning is a pedagogical approach emphasizing student engagement through participation in the learning process. This method encourages students to take responsibility for their learning by engaging in discussions, group work, and problem-solving exercises. Research has shown that active learning strategies can improve students' academic performance and knowledge retention (Nuryadi et al., 2020). For instance, a study conducted in Indonesia found that implementing active learning techniques in civics education significantly enhanced students' understanding of democratic principles and civic responsibilities (Ferino, 2023).

In political science education, active learning can take various forms, such as simulations of political processes, debates on current events, and case study analyses. These activities promote critical thinking and help students apply theoretical concepts to real-world scenarios. For example, a political science course in the Philippines utilized simulations of legislative processes, allowing students to experience firsthand the complexities of policymaking and governance (Zendler & Klaudt, 2015). Such experiential learning opportunities foster a deeper understanding of political dynamics and encourage students to engage with their communities.

### **Blended Learning**

Blended learning, which combines traditional face-to-face instruction with online learning components, has gained popularity in higher education, particularly during the COVID-19 pandemic. This approach allows for greater flexibility in learning and can cater to diverse learning styles. Research indicates that blended learning can enhance student engagement and improve learning outcomes by providing a more personalized learning experience (Puranik, 2020).

In political science education, blended learning can facilitate access to various resources, including online lectures, discussion forums, and multimedia content. For instance, a study on blended learning in Chinese universities found that students who participated in blended political science courses reported higher satisfaction and engagement levels than those in traditional lecture-based courses (Mao & Leny, 2023). By leveraging technology, educators can create interactive, dynamic learning environments that encourage collaboration and critical thinking.

### **Constructivist Approaches**

Constructivism is a learning theory that posits that knowledge is constructed through social interactions and experiences. In political science education, constructivist approaches encourage students to actively engage with political concepts and frameworks, fostering critical analysis and independent thinking. This pedagogical approach aligns well with the goals of political science education, which seeks to develop informed and active citizens.

A study conducted in Malaysia highlighted the effectiveness of constructivist teaching methods in enhancing students' critical thinking and analytical skills in political science courses (Yu, 2020). Educators can cultivate a sense of agency and responsibility by encouraging students to explore political issues through collaborative projects and discussions. For example, students might work together to analyze a political event, drawing on various theoretical frameworks to understand its implications. This collaborative approach deepens students' understanding of political dynamics and prepares them for active participation in democratic processes.

### **Technology-Enhanced Learning**

Integrating technology into political science education has transformed traditional teaching methods, providing new opportunities for engagement and collaboration. Technology-enhanced learning can take many forms, including online platforms, multimedia resources, and interactive tools. Research has shown that incorporating technology into the classroom can improve student motivation and learning outcomes (Li, 2013).

For instance, during the COVID-19 pandemic, many Southeast Asian universities adopted online learning platforms to continue delivering political science courses. A study found that students who participated in online political science classes reported higher engagement and satisfaction levels than those in traditional classroom settings (Li, 2021). Using technology, educators can create more interactive and flexible learning environments catering to diverse learning preferences.

Moreover, technology can facilitate collaboration among students from different geographical locations, allowing for the exchange of ideas and perspectives. For example, a political science course in Bangladesh utilized online discussion forums to connect students with peers from other countries, fostering cross-cultural dialogue and enhancing their understanding of global political issues (Cheng, 2023). This approach enriches the learning experience and prepares students for an increasingly interconnected world.

### **Challenges and Considerations**

While various pedagogical approaches and teaching methods can enhance political science education, several challenges must be addressed to ensure effective implementation. One significant barrier is the lack of resources and infrastructure in many developing Asian countries. Access to technology and adequate training for educators can help the successful

integration of innovative teaching methods (Feng, 2023). To overcome these challenges, institutions must invest in professional development for faculty and provide the necessary resources to support diverse teaching approaches.

Additionally, resistance to change within educational institutions can impede the adoption of new pedagogical methods. Faculty members may only be able to embrace active learning or technology-enhanced approaches if they are accustomed to traditional lecture-based teaching (Sun & Gao, 2021). To foster a culture of innovation, institutions should encourage collaboration among educators and provide opportunities for sharing best practices and successful teaching strategies.

In conclusion, the pedagogical approaches and teaching methods employed in political science education in developing Asian countries play a crucial role in shaping students' understanding and engagement with the subject matter. Active learning, blended learning, constructivist approaches, and technology-enhanced learning offer valuable opportunities for fostering critical thinking and civic engagement among students. However, addressing the challenges of resource constraints and resistance to change is essential for realizing the full potential of these innovative teaching methods. By embracing diverse pedagogical approaches, educators can create more relevant and effective political science curricula that empower students to navigate the complexities of their political environments.

## **Challenges and Barriers to Effective Education**

Political science education in developing Asian countries faces numerous challenges and barriers that hinder its effectiveness and relevance. These challenges stem from systemic issues, resource constraints, and socio-political factors that impact the quality of education. This section explores the key challenges political science education faces, including inadequate resources, political interference, lack of qualified faculty, and the need for curriculum reform, while providing empirical evidence to support these claims.

### **Inadequate Resources**

One of the most significant barriers to effective political science education in developing Asian countries is inadequate resources. Many educational institutions need more funding, outdated infrastructure, and limited access to educational materials. For instance, a study conducted in Bangladesh revealed that universities often need more essential resources such as libraries, research facilities, and technological tools to deliver quality education (Kiazai et al., 2020). This resource scarcity affects the learning environment and limits students' ability to engage in research and critical analysis, essential components of political science education.

Moreover, the lack of financial support for educational institutions can lead to overcrowded classrooms and inadequate teaching materials, exacerbating students' and educators' challenges. In countries like Cambodia, where political science programs are still developing, the absence of financial resources has resulted in a curriculum that often fails to address contemporary political issues and local governance challenges (Puri et al., 2021). As a result, students may graduate with a limited understanding of the political landscape, hindering their ability to contribute effectively to society.

### **Political Interference**

Political interference in educational institutions is another significant challenge that undermines the effectiveness of political science education. In many developing Asian countries, political agendas can influence curriculum design, faculty appointments, and academic freedom. For example, the military's control over educational institutions in Myanmar has led to a curriculum prioritizing state propaganda over critical analysis and independent thought (Horikoshi, 2023). This political interference stifles academic freedom and limits the ability of educators to engage students in meaningful discussions about governance, democracy, and civic responsibility.

Furthermore, political pressures can discourage educators from addressing controversial topics or engaging in critical pedagogy, which is essential for fostering informed and active citizens. A study conducted in the Philippines found that educators often self-censor their teaching to avoid potential repercussions from political authorities, resulting in a curriculum that needs more depth and relevance (Bullock et al., 2017). This environment of fear and censorship affects the quality of education and diminishes students' ability to think critically about political issues.

### **Lack of Qualified Faculty**

The shortage of qualified faculty members in political science education is a pervasive issue that hampers the quality of instruction. Many developing Asian countries struggle to attract and retain qualified educators due to low salaries, limited professional development opportunities, and inadequate support for research. For instance, a study in Indonesia found that many political science programs were staffed by faculty members with limited expertise, leading to a lack of depth in course content and instruction (Kaatrakoski et al., 2016). This situation is particularly concerning, given the importance of having knowledgeable and experienced educators who can guide students through complex political concepts and foster critical thinking.

Additionally, the lack of qualified faculty can result in a reliance on outdated teaching methods, such as rote memorization and lecture-based instruction, which do not effectively engage students or promote active learning. Research has shown that students taught by qualified and experienced educators are more likely to perform better academically and develop a deeper understanding of political issues (Ma, 2023). Therefore, addressing the shortage of qualified faculty is essential for improving the quality of political science education in developing Asian countries.

### **Need for Curriculum Reform**

Another critical challenge in political science education is the need for curriculum reform. Many existing curricula are outdated and fail to reflect the contemporary political realities faced by students in developing Asian countries. For example, a study conducted in Vietnam found that political science programs often emphasize theoretical knowledge at the expense of practical skills and real-world applications (Ahmed et al., 2018). This disconnect between theory and practice can leave students ill-prepared to navigate the complexities of their political environments.

Curriculum reform should focus on integrating local political contexts, contemporary issues, and experiential learning opportunities into political science programs. For instance, incorporating case studies, simulations, and community engagement projects can enhance students' understanding of political dynamics and foster civic responsibility (Woolf et al., 2013). Additionally, aligning curricula with the job market's needs can improve graduates' employability and ensure they have the skills necessary to contribute to their communities effectively.

### **Socio-Cultural Factors**

Socio-cultural factors also play a significant role in shaping the challenges faced by political science education in developing Asian countries. Cultural attitudes towards education and political engagement can influence students' motivation and participation in political science programs. For example, in some communities, there may be a perception that political science is not a valuable field of study, leading to lower enrollment rates and a lack of interest in political issues (González-Nalda et al., 2014). This cultural stigma can hinder efforts to promote civic engagement and democratic participation among young people.

Moreover, gender disparities in education can further exacerbate the challenges faced by political science education. In many developing countries, female students may face educational barriers, including societal expectations, economic constraints, and safety concerns

(Fane et al., 2018). Addressing these sociocultural factors is essential for creating an inclusive and equitable educational environment that empowers all students to engage with political science and contribute to their societies.

In conclusion, the challenges and barriers to effective political science education in developing Asian countries are multifaceted and deeply rooted in systemic issues, resource constraints, and socio-political factors. Addressing these challenges requires a comprehensive approach that includes increasing funding for educational institutions, promoting academic freedom, investing in faculty development, and reforming curricula to reflect contemporary political realities. By tackling these barriers, educators and policymakers can enhance the quality of political science education and empower students to become informed and active participants in their communities.

## **The Role of Political Science in Civic Engagement and Policy Making**

Political science education is pivotal in fostering civic engagement and informing policy-making processes in developing Asian countries. By equipping students with the knowledge and skills necessary to understand political systems, analyze policies, and engage in civic activities, political science programs contribute significantly to developing informed citizens who can actively participate in democratic processes. This section explores the relationship between political science education, civic engagement, and policy-making, highlighting empirical evidence and examples that illustrate this dynamic interplay.

### **Enhancing Civic Engagement through Political Science Education**

Civic engagement refers to the active participation of individuals in the political and social life of their communities. Political science education is instrumental in promoting civic engagement by providing students with a comprehensive understanding of political systems, governance, and public policy. Research indicates that political science students are more likely to engage in civic activities like voting, volunteering, and participating in community organizations (Mackenbach, 2013). For instance, a study conducted in Indonesia found that students in political science programs demonstrated higher political participation levels than their peers in other disciplines (Adams et al., 2016).

Moreover, political science education fosters critical thinking and analytical skills, enabling students to evaluate political issues and make informed decisions. By engaging with topics such as democracy, human rights, and social justice, students develop a sense of agency and responsibility toward their communities. For example, political science students in the Philippines participated in community-based projects addressing local governance issues, enhancing their understanding of civic responsibilities and the importance of active citizenship (Fafard, 2012). Similarly, political science students' political decision-making relies more on information and rational, analytical thinking than students in other disciplines participating in Thai politics, as mentioned above (Saenphumi et al., 2017). Such experiential learning opportunities deepen students' knowledge and empower them to contribute meaningfully to their communities.

### **Informing Policy-Making Processes**

Political science education also plays a crucial role in informing policy-making processes by equipping students with the tools to analyze and evaluate public policies. Understanding the complexities of policy formulation, implementation, and evaluation is essential for aspiring policymakers and civic leaders. Political science programs often emphasize the importance of evidence-based policy-making, which informs decisions by empirical data and rigorous analysis (Brooks, 2018).

For instance, a study examining public health policy in Indonesia highlighted the significance of political science theories in shaping effective health policies. The research demonstrated that political factors, such as governance structures and stakeholder engagement, significantly

influence policy outcomes (Hidayat & Mukminin, 2022). By incorporating such insights into political science curricula, educators can prepare students to navigate the intricacies of policy-making and advocate for evidence-based solutions to pressing societal issues.

Additionally, political science education encourages students to engage with various policy frameworks and models, enabling them to critically assess the effectiveness of different approaches. For example, the Advocacy Coalition Framework (ACF) has been utilized to analyze policy changes in the European Union's pharmaceutical sector, demonstrating how coalitions of stakeholders can influence policy outcomes (Novotný, 2015). By familiarizing students with such frameworks, political science programs can enhance their analytical capabilities and prepare them for public policy and administration careers.

### **Bridging the Gap between Academia and Practice**

One of the challenges faced by political science education is bridging the gap between academic knowledge and practical application in policy-making. While theoretical knowledge is essential, students must also gain practical experience in the policy-making process. Internships, fieldwork, and community engagement initiatives can provide students with valuable insights into the realities of governance and public policy (Williams & Grant, 2018). For instance, political science programs in South Korea have integrated internships with government agencies and non-governmental organizations (NGOs) into their curricula. This hands-on experience allows students to apply their theoretical knowledge in real-world settings, fostering a deeper understanding of policy-making (Wathen et al., 2011). Such initiatives enhance students' employability and contribute to developing a more informed and engaged citizenry.

Moreover, fostering collaboration between academic institutions and policy-making bodies can facilitate knowledge exchange and enhance the relevance of political science education. Educators can ensure curricula reflect current policy challenges and priorities by engaging with policymakers and practitioners. For example, a partnership between a university in Vietnam and local government agencies has led to the development of research projects that address pressing social issues, such as poverty alleviation and environmental sustainability (Oliver et al., 2014). This collaboration enriches the educational experience and contributes to evidence-based policy-making.

### **Challenges to Civic Engagement and Policy-Making**

Despite the positive contributions of political science education to civic engagement and policy-making, several challenges persist. One significant barrier is the lack of resources and support for political science programs in developing Asian countries. Many institutions need more funding, outdated curricula, and limited access to research materials, which can hinder the quality of education (Yalmanov, 2021). Addressing these resource constraints is essential for enhancing the effectiveness of political science education and its impact on civic engagement.

Additionally, political interference in educational institutions can stifle academic freedom and limit the scope of political discourse. In some countries, educators may face pressure to conform to state-sponsored narratives, which can undermine the critical analysis of political issues (Petersen et al., 2010). Creating an environment that fosters academic independence and encourages open dialogue is crucial for promoting civic engagement and informed policy-making.

In conclusion, political science education is vital in enhancing civic engagement and informing policy-making processes in developing Asian countries. By equipping students with the knowledge and skills necessary to understand political systems, analyze policies, and engage in civic activities, political science programs contribute significantly to developing informed citizens who can actively participate in democratic processes. However, addressing the challenges of resource constraints and political interference is essential for maximizing the

impact of political science education on civic engagement and policy-making. By fostering collaboration between academia and practice, political science education can continue to empower students and contribute to advancing democratic governance in their communities.

## **Case Studies of Successful Political Science Programs**

Political science education is crucial in shaping informed citizens and effective policymakers, particularly in developing Asian countries. This section presents case studies of successful political science programs demonstrating innovative practices, practical pedagogical approaches, and meaningful community engagement. By examining these programs, we can identify best practices and strategies that can be replicated in other contexts to enhance political science education and its impact on civic engagement and policy-making.

### **Case Study 1: The National University of Singapore**

The National University of Singapore (NUS) has established itself as a leader in political science education in Asia. The university's Department of Political Science offers a comprehensive curriculum emphasizing theoretical knowledge and practical skills. One of the standout features of NUS's program is its focus on experiential learning, which includes internships, fieldwork, and community engagement projects.

NUS has developed strong partnerships with government agencies, NGOs, and international organizations, providing students with opportunities to gain hands-on experience in policy-making and public administration. For example, students have internships with the Ministry of Foreign Affairs, engaging in real-world diplomatic work and contributing to policy discussions (Hamann et al., 2016). This experiential learning approach enhances students' understanding of political processes and equips them with the skills necessary for successful careers in public service.

Moreover, NUS has integrated technology into its political science curriculum, utilizing online platforms for collaborative learning and research. The university's commitment to innovation in teaching has resulted in high levels of student engagement and satisfaction, as evidenced by positive feedback from graduates who credit their education with preparing them for the complexities of the political landscape (Journell, 2013).

### **Case Study 2: The University of the Philippines**

The University of the Philippines (UP) is another exemplary institution that has made significant strides in political science education. UP's Department of Political Science is known for its emphasis on critical thinking, social justice, and civic engagement. The program encourages students to analyze political issues through a lens of social responsibility and activism.

One of the key initiatives at UP is the "Political Science for the People" program, which aims to bridge the gap between academic knowledge and community needs. Through this initiative, students engage in research projects that address pressing social issues, such as poverty alleviation, human rights, and environmental sustainability (Alkuş, 2023). For instance, students have collaborated with local communities to research the impact of government policies on marginalized populations, providing valuable insights that inform advocacy efforts. Additionally, UP has implemented a mentorship program that connects students with experienced practitioners in political science. This program enhances students' professional networks and provides guidance and support as they navigate their academic and career paths. The combination of experiential learning, community engagement, and mentorship has resulted in a politically aware and socially responsible student body that actively participates in civic life (Das et al., 2020).

### **Case Study 3: The University of Malaya**

The University of Malaya (UM) in Malaysia has developed a robust political science program emphasizing research and critical analysis. The Department of Political Science at UM offers

a diverse curriculum that covers a wide range of topics, including comparative politics, international relations, and public policy. One of the distinguishing features of UM's program is its focus on research-driven learning.

UM encourages students to engage in independent research projects, allowing them to explore political issues of personal interest. The university provides resources and support for student-led research initiatives, fostering a culture of inquiry and intellectual exploration. For example, students have researched electoral behavior, public opinion, and governance, contributing to the academic discourse on Malaysian politics (Ives & Castillo-Montoya, 2020).

Furthermore, UM has established partnerships with local and international organizations to facilitate collaborative research projects. These partnerships enhance the quality of student research and provide opportunities for knowledge exchange and capacity building. The emphasis on research and collaboration has positioned UM as a leading institution for political science education in the region, producing well-equipped graduates to engage with complex political challenges (Tintore & Güell, 2015).

#### **Case Study 4: The University of Indonesia**

The University of Indonesia (UI) has significantly contributed to political science education through its innovative curriculum and community engagement initiatives. UI's Department of Political Science offers a comprehensive program that combines theoretical knowledge with practical skills, preparing students for careers in public service, academia, and civil society. One of the notable features of UI's program is its commitment to community service and civic engagement. The university has established a "Community Empowerment Program," which encourages students to work with local communities on various social and political issues. Through this program, students have engaged in projects focused on governance, human rights, and environmental sustainability, fostering a sense of social responsibility and active citizenship (Morales-Doyle, 2017a).

Additionally, UI has implemented a series of workshops and seminars that bring together students, faculty, and practitioners to discuss contemporary political issues. These events provide students with opportunities to engage with experts in the field, enhancing their understanding of real-world political dynamics. Community engagement, experiential learning, and networking opportunities have resulted in a politically active and socially conscious student body at UI (Cowell-Meyers et al., 2015).

#### **Case Study 5: The University of Dhaka**

The University of Dhaka (DU) in Bangladesh has a long-standing tradition of political science education and has produced many influential political leaders and scholars. DU's Department of Political Science offers a diverse curriculum emphasizing critical thinking, research skills, and civic engagement.

One of the key initiatives at DU is the "Youth for Democracy" program, which aims to empower students to become active participants in the democratic process. Through this program, students engage in workshops, debates, and community outreach activities that promote democratic values and civic responsibility (Morales-Doyle, 2017b). For example, students have organized voter education and participation awareness campaigns, encouraging their peers to engage in the electoral process.

Moreover, DU has established partnerships with local NGOs and civil society organizations to facilitate research and advocacy initiatives. Students have collaborated with these organizations to research corruption, governance, and human rights issues, providing valuable insights that inform policy discussions and advocacy efforts (Parker, 2010). The emphasis on civic engagement and community collaboration has positioned DU as a leading institution for political science education in Bangladesh, producing graduates committed to promoting democratic values and social justice.

The case studies presented in this section illustrate the diverse approaches taken by successful political science programs in developing Asian countries. These programs demonstrate the importance of experiential learning, community engagement, and research-driven education in fostering civic engagement and informing policy-making processes. By examining these successful initiatives, other institutions can identify best practices and strategies that can be adapted to enhance political science education in their contexts.

As political science education continues to evolve, institutions must prioritize innovative teaching methods, community collaboration, and the development of critical thinking skills. By doing so, they can empower students to become informed citizens and effective policymakers equipped to navigate the complexities of the political landscape and contribute meaningfully to their communities.

## **Conclusion and Recommendations**

The dynamics of political science education in developing Asian countries are critical for fostering civic engagement and enhancing the quality of governance. As this review has demonstrated, political science programs play a vital role in shaping informed citizens who can actively participate in democratic processes and contribute to practical policy-making. However, several challenges persist, including inadequate resources, political interference, and a need for qualified faculty. Several recommendations can be made to address these issues and maximize the impact of political science education.

### **Strengthening Curriculum Relevance**

One of the primary recommendations is to enhance the relevance of political science curricula to reflect the socio-political realities of developing Asian countries. Curricula should be designed to incorporate local political contexts, contemporary issues, and experiential learning opportunities. For instance, integrating case studies focusing on local governance challenges can give students practical insights into the political landscape. Research has shown that students who engage with contextually relevant materials are more likely to develop critical thinking skills and a deeper understanding of political dynamics (Ekström & Lundholm, 2020). Moreover, fostering collaboration between academic institutions and local communities can enhance the applicability of political science education. Programs involving community-based research and advocacy initiatives can empower students to address pressing social issues while applying their academic knowledge in real-world contexts. Such initiatives enrich the educational experience and contribute to the development of socially responsible citizens.

### **Investing in Faculty Development**

Investing in faculty development is essential to improving the quality of political science education. Many developing countries face a shortage of qualified political science educators, which can hinder the effectiveness of teaching and learning. Institutions should prioritize professional development programs that equip faculty with the skills and knowledge to engage students effectively. This includes training in innovative pedagogical approaches, research methodologies, and technology integration in the classroom.

Additionally, creating opportunities for faculty to collaborate with practitioners in the field can enhance their understanding of contemporary political issues and inform their teaching practices. For instance, partnerships with government agencies and NGOs can provide educators valuable insights into the policy-making process and public institutions' challenges (Gentry et al., 2016). By fostering a culture of continuous learning and collaboration, institutions can enhance the quality of political science education and better prepare students for careers in public service.

### **Promoting Civic Engagement Initiatives**

Political science programs should actively promote civic engagement initiatives, encouraging students to participate in democratic processes and community service. This can be achieved

by establishing student-led organizations focused on civic education, advocacy, and community outreach. Research indicates that students who engage in civic activities during their education are more likely to become active citizens and participate in political processes after graduation (Das et al., 2020).

For example, the University of Indonesia has implemented a "Youth for Democracy" program that empowers students to engage in civic activities and advocate for democratic values. Such programs enhance students' understanding of civic responsibilities and foster a sense of agency and commitment to social change. By encouraging students to become active participants in their communities, political science education can strengthen democratic governance.

### **Leveraging Technology for Enhanced Learning**

Integrating technology in political science education can enhance learning experiences and broaden access to educational resources. Institutions should invest in digital tools and online platforms that facilitate collaborative learning, research, and engagement with political content. For instance, during the COVID-19 pandemic, many universities successfully transitioned to online learning, demonstrating the potential of technology to maintain educational continuity (Lodge, 2021).

Moreover, technology can facilitate connections between students and experts in the field, allowing for knowledge exchange and networking opportunities. Online seminars, webinars, and virtual conferences can give students access to diverse perspectives and insights from practitioners and scholars worldwide. By leveraging technology, political science programs can create more interactive and engaging learning environments that cater to the needs of a digitally literate generation.

### **Addressing Political Interference**

Finally, it is crucial to address political interference in educational institutions to ensure academic freedom and the integrity of political science education. Policymakers and educational leaders should advocate for policies that protect academic independence and promote open dialogue within educational settings. This includes fostering an environment where educators can engage in critical discussions about political issues without fear of reprisal.

Encouraging a culture of academic freedom enhances the quality of education and prepares students to think critically about political issues and engage in informed civic discourse. By creating an environment that values diverse perspectives and encourages critical inquiry, political science education can contribute to developing a more informed and engaged citizenry (Ekström & Lundholm, 2020).

## **References**

Alderen-Smeets, S., Molen, J., & Asma, L. (2011). Primary teachers' attitudes toward science: A new theoretical framework. *Science Education*, 96(1), 158-182.

Aasen, P., Prøitz, T., & Sandberg, N. (2013). Knowledge regimes and contradictions in education reforms. *Educational Policy*, 28(5), 718-738.

Adams, W., Infeld, D., Wikrent, K., & Cisse, O. (2016). Network bibliometrics of public policy journals. *Policy Studies Journal*, 44(S1), S133-S151.

Ahmed, S., Byker Shanks, C., Lewis, M., Leitch, A., Spencer, C., Smith, E., & Hess, D. (2018). Meeting the food waste challenge in higher education. *International Journal of Sustainability in Higher Education*, 19(6), 1075-1094.

Alkuş, O. (2023). Problems and recommendations regarding the education in the political science and public administration department according to the undergraduate students. *Kent Akademisi*, 16(2), 932-947.

Brooks, E. (2018). Using the advocacy coalition framework to understand EU pharmaceutical policy. *European Journal of Public Health*, 28(suppl\_3), 11-14.

Bullock, L., Zolkoski, S., Lusk, M., & Hovey, K. (2017). Educators' perceptions of school-based factors that impact their effectiveness in working with students with challenging behaviors: a pilot investigation. *World Journal of Education*, 7(3), 92.

Cheng, X. (2023). A learner-centered teaching model. *Science Insights Education Frontiers*, 15(2), 2285-2286.

Cowell-Meyers, K., Mainwaring, B., Dugdale, S., Kinney, C., & Hanson, B. (2015). So, you want to create a student research journal? How to craft a journal based on peer learning. *PS Political Science & Politics*, 48(03), 492-496.

Crăciun, D. (2015). Systematizing internationalization policy in higher education: Towards a typology. *Perspectives of Innovations Economics and Business*, 15(1), 49-56.

Das, A., Adams, J., Strong, L., & McCullough, S. (2020). Developing political activity as if the world is on fire. *Journal of Critical Thought and Praxis*, 10(1), 1-21.

Debych, M. (2021). Internationalizing higher education of Ukraine: national policy. In *Priority areas for development of scientific research: domestic and foreign experience* (pp. 37-57). Riga: Baltija Publishing.

Du, X., & Luo, J. (2016). Political connections, home formal institutions, and internationalization: evidence from China. *Management and Organization Review*, 12(01), 103-133.

Ekström, L., & Lundholm, C. (2020). 'how much politics is there'? Exploring students' experiences of values and impartiality from an epistemic perspective. *Journal of Political Science Education*, 17(sup1), 616-633.

Fafard, P. (2012). Public health understandings of policy and power: Lessons from insite. *Journal of Urban Health*, 89(6), 905-914.

Fane, J., Pill, S., & Rankin, J. (2018). How do pre-service physical education teachers understand health education and their role as health educators?. *Health Education Journal*, 78(3), 288-300.

Feng, L. (2023). Research on the construction of intelligent sports teaching ecosystem in universities based on multi-data chain technology. *Applied Mathematics and Nonlinear Sciences*, 9(1), 1-16.

Ferino, S. (2023). Unveiling the teaching methods adopted in DevOps courses. *Anais Estendidos do XIV Congresso Brasileiro de Software: Teoria e Prática*, 2023, 27-28.

Fonseca, E., & Segatto, C. (2019). Teaching qualitative research methods in political science: Does one size fits all?. *Journal of Political Science Education*, 17(3), 493-501.

Gentry, B., Lawrence, C., & Richards, E. (2016). The tie that binds: Exploring community college curriculum design. *Political Science and Politics*, 49(03), 535-540.

González-Nalda, P., Calvo, I., Etxeberria-Agiriano, I., García-Ruiz, A., Martínez-Lesta, S., & Caballero-Martín, D. (2014). Building a CPS as an educational challenge. *International Journal of Online and Biomedical Engineering*, 10(4), 52.

Hamann, K., Pollock, P., Smith, G., & Wilson, B. (2016). Distance education and the scholarship of teaching and learning in political science. *Politics*, 37(2), 229-238.

Han, H. (2014). Analysing theoretical frameworks of moral education through Lakatos's philosophy of science. *Journal of Moral Education*, 43(1), 32-53.

Hanson, S., Sykes, M., & Peña, L. (2017). Gender equity in science: The global context. *International Journal of Social Science Studies*, 6(1), 33-47.

Haruyunyan, H., & Ohanyan, A. (2019). Strategic thinking in internationalization of tertiary institutions of armenia: Drawbacks and prospects. *Bulletin of Eurasia International University*, 1, 70-80.

Heriansyah, H. (2014). The impacts of internationalization and globalization on educational context. *Journal of Education and Learning*, 8(2), 164-170.

Hickey, S., & Hossain, N. (2019). *The politics of education in developing countries*. Oxford: Oxford University Press.

Hidayat, M., & Mukminin, A. (2022). The diffusion of innovations model: Applications to education policymaking and critique. *Edukasi Jurnal Pendidikan Dan Pengajaran*, 9(2), 100-107.

Hofstein, A., Eilks, I., & Bybee, R. (2011). Societal issues and their importance for contemporary science education—a pedagogical justification and the state-of-the-art in Israel, Germany, and the USA. *International Journal of Science and Mathematics Education*, 9(6), 1459-1483.

Horikoshi, K. (2023). The positive education of challenge: innovative integration of challenge-based learning and positive education. *Frontiers in Psychology*, 14, 1225122.

Ishiyama, J. (2023). Whither political science in a post-pandemic world? Challenges, trends, and opportunities. *Perspectives on Politics*, 21(2), 419-424.

Ives, J., & Castillo-Montoya, M. (2020). First-generation college students as academic learners: A systematic review. *Review of Educational Research*, 90(2), 139-178.

Jafar, H., & Sabzalieva, E. (2022). Faculty experiences of higher education internationalization in post-conflict Iraq and Tajikistan. *Journal of Comparative & International Higher Education*, 14(2), 47-65.

Jantaraviset, A., & Chailertwanitkul, S. (2013). The political participation of people in Sam Chuk, Suphan Buri towards the amendment of the constitution of the Kingdom of Thailand B.E.2550: According to the concept of article 291. *Journal of Interdisciplinary Research: Graduate Studies*, 2(2), 105-133.

Jeon, M., Hwang, Y., & Hong, M. (2023). Recontextualizing internationalization of higher education institutions in South Korea through the lens of the knowledge-policy-power interface. *Journal of International Cooperation in Education*, 25(1), 124-140.

Journell, W. (2013). What preservice social studies teachers (don't) know about politics and current events—and why it matters. *Theory & Research in Social Education*, 41(3), 316-351.

Kaatrakoski, H., Littlejohn, A., & Hood, N. (2016). Learning challenges in higher education: an analysis of contradictions within open educational practice. *Higher Education*, 74(4), 599-615.

Kaya, S., Erduran, S., Birdthistle, N., & McCormack, O. (2018). Looking at the social aspects of the nature of science in science education through a new lens. *Science & Education*, 27(5-6), 457-478.

Khodary, Y. (2019). Setting the foundation for democratization. *Journal of Applied Research in Higher Education*, 11(4), 733-752.

Kiazai, A., Siddiqua, N., & Waheed, Z. (2020). Challenges in implementing stem education and the role of teacher education programs in mitigating these challenges. *International Journal of Distance Education and E-Learning*, 5(2), 123-137.

Leask, B. (2013). Internationalizing the curriculum in the disciplines—imagining new possibilities. *Journal of Studies in International Education*, 17(2), 103-118.

Li, J. (2021). Application of mobile information system based on internet in college physical education classroom teaching. *Mobile Information Systems*, 2021, 1-10.

Li, S. (2013). Research on the establishment of psychology teaching mode based on IT multidimensional interaction. *Applied Mechanics and Materials*, 380-384, 4488-4493.

Liu, T. (2013). The innovation and thinking on postgraduates' ideological and political education in a new period. *Advances in Intelligent Systems Research*, 65, 861-864.

Liu, T. (2023). Internationalization of higher education in the context of emerging economies: facing challenges and implementing policies by BRICS countries. *International Journal of Academic Research in Business and Social Sciences*, 13(12), 5194-5208.

Lodge, W. (2021). Confronting repressive ideologies with critical pedagogy in science classrooms. *Cultural Studies of Science Education*, 16(2), 609-620.

Ma, K. (2023). The challenges and solutions in bilingual education. *Lecture Notes in Education Psychology and Public Media*, 24(1), 242-248.

Mackenbach, J. (2013). Social-democratic government and health policy in Europe: A quantitative analysis. *International Journal of Health Services*, 43(3), 389-413.

Mao, L., & Leny, S. (2023). Research on the implementation status and improvement strategies of cloud classroom personality teaching in elementary schools. *Jurnal Inovasi Teknologi Pendidikan*, 10(1), 55-63.

Morales-Doyle, D. (2017a). Justice-centered science pedagogy: A catalyst for academic achievement and social transformation. *Science Education*, 101(6), 1034-1060.

Morales-Doyle, D. (2017b). Students as curriculum critics: Standpoints with respect to relevance, goals, and science. *Journal of Research in Science Teaching*, 55(5), 749-773.

Mustari, N., Sakir, H., Aris, M., Mawardi, A., & Chaminra, T. (2021). The effect of online learning policy in the era of covid-19 on students' quality. *Asian Political Science Review*, 5(2), 1-8.

Ng, P. (2010). The evolution and nature of school accountability in the Singapore education system. *Educational Assessment Evaluation and Accountability*, 22(4), 275-292.

Novotný, V. (2015). Czech study of public policy in the perspective of three dominant approaches. *Central European Journal of Public Policy*, 9(1), 8-29.

Nuryadi, M., Zamroni, Z., & Suharno, S. (2020). The pattern of the teaching of multiculturalism-based civics education: A case study at higher education institutions. *European Journal of Educational Research*, 9(2), 799-807.

Oliver, K., Innvar, S., Lorenc, T., Woodman, J., & Thomas, J. (2014). A systematic review of barriers to and facilitators of the use of evidence by policymakers. *BMC Health Services Research*, 14(1), 2.

Parker, J. (2010). Undergraduate research-methods training in political science: A comparative perspective. *PS Political Science & Politics*, 43(1), 121-125.

Petersen, I., Heinrichs, H., & Peters, H. (2010). Mass-mediated expertise as informal policy advice. *Science Technology & Human Values*, 35(6), 865-887.

Puranik, S. (2020). Innovative teaching methods in higher education. *BSSS Journal of Education*, 9(1), 67-75.

Puri, K., Vel, A., Manoharan, N., James, R., & Joshi, R. (2021). Environment education in India: Challenges and opportunities. *The Holistic Approach to Environment*, 11(4), 122-127.

Qi, W. (2023). The application and exploration of curriculum ideology and politics in the innovation and entrepreneurship education of medical college students based on hierarchical analysis method. *Applied Mathematics and Nonlinear Sciences*, 9(1), 1-17.

Rexe, D. (2015). Anatomy of a tuition freeze: The case of Ontario. *Canadian Journal of Higher Education*, 45(2), 41-59.

Rodríguez, A. (2015). What about a dimension of engagement, equity, and diversity practices? A critique of the next generation science standards. *Journal of Research in Science Teaching*, 52(7), 1031-1051.

Saenphumi, S., Panyaruno, P., & Prasertsang, P. (2017). The exploration of Thailand's referendum of 2016: A comparison of case studies of students' behavior and decision-making from Faculty of Social Sciences and Faculty of Education within Mahamakut Buddhist University, Thailand. *Asian Political Science Review*, 1(2), 45-56.

Serra, G., & Gerits, F. (2019). The politics of socialist education in Ghana: The Kwame Nkrumah ideological institute, 1961-6. *The Journal of African History*, 60(3), 407-428.

Sun, W., & Gao, Y. (2021). The design of university physical education management framework based on edge computing and data analysis. *Wireless Communications and Mobile Computing*, 2021(1), 537471.

Suratno, T. (2014). The education system in Indonesia at a time of significant changes. *Revue internationale d'éducation de Sèvres*, 2014, 6.

Svensson, L., & Wihlborg, M. (2010). Internationalising the content of higher education: The need for a curriculum perspective. *Higher Education*, 60(6), 595-613.

Taskoh, A. (2020). Internationalization in Canadian higher education institutions: Ontario. *Higher Education for the Future*, 7(2), 97-117.

Tintore, M., & Güell, C. (2015). *Leadership today: Politics, business and education in the Web of Science*. A paper presented at the International Conference on Studies in Humanities and Social Sciences 2015, November 25-26, 2015, Paris, France.

Urbanovič, J., & Wilkins, S. (2013). Internationalisation as a strategy to improve the quality of higher education in small states: stakeholder perspectives in Lithuania. *Higher Education Policy*, 26(3), 373-396.

Wathen, C., Sibbald, S., Jack, S., & MacMillan, H. (2011). Talk, trust and time: A longitudinal study evaluating knowledge translation and exchange processes for research on violence against women. *Implementation Science*, 6(1), 102.

Williams, K., & Grant, J. (2018). A comparative review of how the policy and procedures to assess research impact evolved in Australia and the UK. *Research Evaluation*, 27(2), 93-105.

Woolf, B., Lane, H., Chaudhri, V., & Kolodner, J. (2013). Ai grand challenges for education. *Ai Magazine*, 34(4), 66-84.

Yalmanov, N. (2021). Public policy and policy-making. *KnE Social Sciences*, 2020, 558-564.

Yata, C., Ohtani, T., & Isobe, M. (2020). Conceptual framework of stem based on Japanese subject principles. *International Journal of Stem Education*, 7(1), 12.

Yemini, M. (2013). Internationalization of secondary education—lessons from Israeli Palestinian Arab schools in Tel Aviv-jaffa. *Urban Education*, 49(5), 471-498.

Yu, G. (2020). Blended teaching strategies for art design major courses in colleges. *International Journal of Emerging Technologies in Learning*, 15(24), 145.

Zapp, M., & Lerch, J. (2020). Imagining the world: Conceptions and determinants of internationalization in higher education curricula worldwide. *Sociology of Education*, 93(4), 372-392.

Zendler, A., & Klaudt, D. (2015). Instructional methods to computer science education as investigated by computer science teachers. *Journal of Computer Science*, 11(8), 915-927.

Zvulun, J., & Harel, Y. (2018). Elections as an opportunity of learning civic education and political participation for teenagers. *Citizenship Social and Economics Education*, 17(2), 136-147.

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