The Economic Impact of Coronavirus to the Economic Fallout and the Education System of the World

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Abstract: This study delves into the substantial economic repercussions of the COVID-19 pandemic, particularly focusing on the services sector and global trade. The services industry, estimating losses in the hundreds of millions, faces significant challenges due to pandemic-induced closures. Global trade has witnessed an unprecedented decline, with a 12.1% drop in April compared to March, exacerbating negative growth trends in the preceding months. Eurozone countries, experiencing a pronounced 13% decline in exports and imports, are disproportionately affected. Unlike the marginal decline since 2018 linked to the USA-China trade war, the current fallout prompts reevaluation of global economic dynamics. The pandemic-induced demand shock disrupts import-export volumes and prompts a reconsideration of global economic interactions. Concerns about reduced economic output, widespread factory closures, and a potential 2% decrease in the Chinese economy highlight the gravity of the situation. The study also emphasizes the Chinese government’s swift response, employing fiscal stimulus, infrastructure spending, and rapid hospital construction in Wuhan. As the pandemic unfolds, the study poses questions about the potential transformation of the global economy in its aftermath.

Keywords: Economic Impact, Education System, Global Economy
Introduction

The economic impact of the coronavirus is still a guessing game at the moment, but one thing is for sure: it is going to be big (Banse, 2020; Dániel, 2021; Ney, 2020; Olanrewaju, 2022). The impact on the services sector alone has already been estimated in the hundreds of millions of dollars as restaurants and shops which would usually have been full of customers over the Chinese New Year holiday, were forced to shut their doors with no immediate sign of reopening.

As economies around the world continue their lockdowns and domestic battles against Covid-19, world trade has been declining at an unprecedented rate (Delardas, 2022; Faber, 2020; Taylor, 2021; Zhang, 2020).

According to a report by the Netherlands Bureau for Economic Policy Analysis, the global trade volume for April decreased by 12.1% compared with March.

The report, which publishes a World Trade Monitor on behalf of the European commission every month, also announced negative growth in January (-1.2%), February (-1.5%), and March (-2.4%).

Both exports and imports fell dramatically across the globe, but it was the Eurozone countries which have suffered the most with exports declining by 13% and import

Global trade had been falling since the end of 2018, but only marginally, and can most likely be attributed to the trade war between the USA and China. The subsequent fallout since the beginning of 2020 is a totally different ballgame, and nothing the world economy has ever seen before.

Not only has Covid-19 caused a huge, demand-side shock and in turn had a negative impact on the volume of imports and exports, the nature of the pandemic has also questioned the way countries interact with each other in the global economy (Hongsheng, 2022; Laing, 2020; Lipp, 2021; Louhichi, 2021; Qiu, 2020). Domestic buyers are now more cautious of foreign goods, and businesses are more reluctant to export when faced with the current logistical nightmare of transporting their goods across the world.

As the pandemic rages on, the question all economists are eager to find out is whether we will return to business as usual, or if this crisis will fundamentally change the dynamics of the global economy (Irfan, 2021; Mason, 2021; Mumtaz, 2021; Padula, 2020; Sarkodie, 2021; Vysochyna, 2023). And if it does, what will that look like?

The continued closure of many factories across the country is another large concern which will lead to a significant reduction in economic output. Large multinational companies such as Bosch, Volkswagen, and Tesla have all announced the closure of their facilities along with a number of other multinational and domestic manufacturers.

One estimate of the economic fallout was that the already slowing Chinese economy would see growth decrease by at least 2% this quarter, equating to a US$60 billion loss of

https://edu.pubmedia.id/index.php/jpn
output. Investor confidence has already taken a huge beating as seen with the Shanghai stock market deceeding in value by 8% after opening on Monday this week.

The Chinese government will be quick to push through economic measures to limit the impact of the virus on its already fragile economy. This is likely to include a large fiscal stimulus in the form of decreased taxes and increased spending, particularly on public healthcare and training. One thing the Chinese government has always been very efficient at is infrastructure spending and employment creation. A very appropriate example would be the two hospitals which were just built in Wuhan in under 10 days.

Methodology

This study employs a mixed-methods research design to comprehensively examine the repercussions of the COVID-19 pandemic on the education systems of developing countries. Through an extensive literature review, we will delve into the global economic implications of the pandemic and its specific impact on education. Primary data will be gathered through surveys and interviews with students, teachers, and parents in selected developing countries, utilizing a stratified random sampling method to ensure diverse perspectives. Quantitative data will undergo statistical analysis to identify trends and correlations, while qualitative data will be subjected to thematic analysis to extract in-depth insights into the challenges faced by stakeholders. The variables of interest include the effectiveness of distance learning, socio-economic disparities in access to education, and the availability of digital infrastructure. Ethical considerations, such as informed consent and confidentiality, will be prioritized throughout the research process. The study aims to offer valuable recommendations for policymakers, educational institutions, and other stakeholders, addressing the identified challenges and proposing strategies for improvement. Despite potential limitations arising from the dynamic nature of the pandemic, diverse responses across countries, and self-reported biases, this research endeavors to provide a nuanced understanding of the pandemic's impact on the education system in developing nations. The timeline for this study spans [insert timeframe], ensuring a thorough and timely exploration of the subject matter.

Result and Discussion

Coronavirus affects the education system in the world. Schools, colleges, and universities are closed to control the spread of the coronavirus. School closure brings difficulties for students, teachers, and parents. So, distance learning is a solution to continue the education system. However, the lack of network infrastructures, computers, and internet access is challenging distance learning in developing countries. This paper aims to review the impact of the COVID-19 pandemic on the education system in developing
countries. Hence, countries design a strategy to use educational technology, zero-fee internet educational resources, free online learning resources, and broadcasts teaching. During closures, educational institutions design curriculum, prepare teaching-learning strategies for post-coronavirus. The educational institutions design strategies to recover lost learning, and return students to school when schools reopen. Coronavirus has been impacting the face-to-face education system of developing countries. Therefore, developing countries should enhance broadcast teaching, online teaching, and virtual class infrastructures. The pandemic of COVID-19 pandemic is affecting schools, students, teachers, and parents. The COVID-19 crisis increases social inequality in schools. Students from more advantaged parents attend schools with better digital infrastructure and teachers might have higher levels of digital technology skills. Some schools can be well equipped in digital technology and educational resources. Disadvantaged students are attending schools with lower ICT infrastructure and educational resource. Following COVID-19 more advantaged students are attending schools to adopt online learning. Schools in disadvantaged, rural areas lack the appropriate digital infrastructure required to deliver teaching at the remote. Also, there is a significant difference between private and public schools in technology and educational resources. In most countries, private schools are more effective than public schools. Students’ have not equal access to digital technology and educational materials. In the survey, the study finds during schools closure the level of anxiety, depression disorders, and stress are high among students.

Conclusion

Distance learning is a solution to continue the education system, but it is difficult in developing countries because many parents have not themselves been to school and there is a lack of the necessary Information and Communication Technology (ICT) infrastructures, computers, radio, and television to provide distance learning. Access to computers and access to the internet is basic to successful distance teaching. This is not guaranteed for all students in developing countries. Also, staff and teachers should familiar with online teaching platforms. Teachers struggle with difficulties in the area of technology and lack of infrastructure availability. Some private schools may not pay their staffs’ salary and some schools may pay half salary. COVID-19 affects poor families since many students don’t have access to the equipment at home. The physical school closure and the implementation of distance education lead the student to spent less time learning, stress, and lack of learning motivation.
References


