

GROWTH VS. EQUITY: A COMPARATIVE ANALYSIS OF ECONOMIC DEVELOPMENT AND INCOME INEQUALITY IN DEVELOPED AND DEVELOPING ECONOMIES

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Abstract

This study performs a comparative examination of economic development and income inequality patterns and poverty reduction in Singapore, a developed country, and Malaysia, a developing economy, from 2000 to 2023. It examines if their growth patterns align with the Kuznets Curve hypothesis, which asserts that income inequality increases at the onset of industrialization and subsequently decreases as economies develop and adopt redistributive policies. In the early 2000s, Singapore's GDP grew quickly, but inequality also grew. After 2010, however, targeted fiscal measures including Workfare Income Supplements and progressive taxes led to a big drop in inequality. On the other hand, Malaysia's GDP grew steadily, and income equality slowly improved. This was due to continuous structural problems and social spending that included everyone. The analysis shows that there are different policy approaches: Singapore's data-driven and economically responsible redistribution is different from Malaysia's larger focus on development, which includes closing gaps in rural, educational, and healthcare access. The study also looks at how the countries reacted to big global problems including the 2008 financial crisis, the COVID-19 epidemic, and geopolitical tensions. It shows that their resilience was different because of their institutional capabilities and fiscal space. Policy proposals for Malaysia emphasize sustaining robust GDP growth to provide fiscal space for future redistribution, while simultaneously tackling structural inequality through inclusive growth measures. The results highlight the intricacy of the growth-inequality relationship, stressing that economic growth alone does not provide equity without additional measures. This study gives us ideas about how to balance growth and equitable goals. It teaches policymakers important lessons about how to deal with development trade-offs in a world that is always changing.

Keywords: Economic development, income inequality, Singapore, Malaysia, Kuznets Curve, industrialization, redistribution policies, fiscal measures, Workfare Income Supplement

1. Introduction

Economic growth and income inequality are two of the most critical dimensions of development, shaping both the pace of economic expansion and the distribution of its benefits across society. While growth is often viewed as the engine of improved living standards, the benefits are not always equitably shared, raising the central question of whether development can be both rapid and inclusive. The Kuznets Curve hypothesis provides a theoretical framework for this debate, suggesting that inequality tends to rise in the early stages of industrialisation before declining as economies mature and adopt redistributive measures (Kuznets, 1955; Taddese et al., 2005).

This project undertakes a comparative analysis of one developed economy, Singapore, and one developing economy, Malaysia, over the period 2000-2023. By examining their long-term trends in GDP growth and income inequality (Question 1), it assesses whether their development paths conform to the Kuznets Curve. The analysis then turns to policy responses (Question 2), evaluating how each country has deployed fiscal, monetary, and social policy tools to balance growth with equity. Building on these insights, the project adopts the role of an economic advisor for Malaysia to recommend whether GDP growth or inequality reduction should be prioritised in the short to medium term (Question 3). Finally, it considers the impact

of major global disruptions such as the 2008 global financial crisis, the COVID-19 pandemic, and ongoing geopolitical tensions, which have tested the resilience of both economies and shaped the growth-inequality nexus (Question 4).

Overall, the study aims to demonstrate how different stages of development, institutional capacities, and policy choices shape the relationship between growth and inequality, offering valuable lessons for developing economies navigating the complex trade-offs between efficiency and equity.

2. Literature Review

Tabash et.al (2024) discussed the Globalization raises concerns about its effects on living standards globally, particularly in developing economies. This study investigates the influence of globalization on income inequality using two-stage least squares (2SLS) analysis across 18 developing countries from 1991–2021, leveraging the KOF index of globalization. Findings indicate that globalization negatively impacts income inequality, with trade openness and foreign direct investment (FDI) significantly reducing inequality. The study recommends that developing economies embrace globalization to enhance trade opportunities and attract FDI, potentially leading to improved living standards, job creation, and reduced poverty. It highlights the necessity to understand how various dimensions of globalization—economic, political, and social—affect inequality in these regions.

Challoumis et.al (2024) studied the Innovation is essential for economic growth, fostering technological progress and new markets. While traditional systems like capitalism and socialism drive innovation through market forces or state intervention, Constantinos Challoumis's proposed Economocracy offers an alternative. It addresses issues like public debt and social inequality through the money cycle theory, which focuses on the local distribution of money. High enforcement savings, which remain in the local economy, lead to a self-organizing economy, whereas escape savings can cause instability. Economocracy incorporates regulatory policies to boost capital investment in productive areas while reducing displacement effects from large corporations, aiming to create a more equitable and sustainable model. The theory uses mathematical analysis to show that balancing surpluses and deficits on an international scale counters public debt and promotes economic stability.

Levine et.al (2021) explained the Finance and growth has become a notable field in economics over the last thirty years, focusing on how financial systems impact economic growth, income distribution, and poverty levels. This paper reviews theoretical and empirical studies, indicating that financial development, through banks and stock markets, promotes economic growth mainly by enhancing resource allocation and technological progress rather than merely increasing saving rates. Additionally, evidence suggests that financial development can improve economic opportunities and reduce income inequality, particularly benefiting the poor. The role of financial innovation in reducing information and transaction costs is also highlighted as potentially crucial for sustaining growth.

Cicchello et.al (2021) investigated the relationship between the financial inclusion index and development variables in 42 least developed countries in Asia and Africa from 2000 to 2019 using pooled panel regression. The findings indicate that economic growth promotes financial inclusion, with unemployment and literacy rates significantly influencing this relationship. Women face greater financial exclusion than men, particularly in rural areas reliant on agriculture. Additionally, pay inequality negatively impacts financial inclusion and development. The study suggests that improving literacy, addressing gender inequality, and enhancing pay equality are essential for the development and empowerment of vulnerable groups in these countries.

Amar et.al (2020) investigated the impact of economic growth and income inequality on poverty reduction in emerging economies. It emphasizes that addressing income inequality is

crucial for effective poverty alleviation. The research, covering data from 2004 to 2017, suggests that while economic growth can lower poverty levels, simply focusing on income for the poor is insufficient. Instead, enhancing essential services and improving life expectancy are vital components to truly reduce poverty.

Hailemariam et.al (2020) examined the impact of income inequality on carbon dioxide (CO₂) emissions in OECD countries. It utilizes data on top income inequality, as well as Gini coefficients, to analyze their effects on CO₂ emissions in relation to economic growth. The study finds a positive correlation between rising top income inequality and CO₂ emissions, while revealing a non-linear relationship consistent with the Environmental Kuznets Curve. Interestingly, an increase in the Gini index correlates with decreased carbon emissions, in line with the marginal propensity to emit. The results indicate that policies aimed at reducing top income inequality could lead to lower carbon emissions and better environmental outcomes.

Cevik et.al (2020) “investigated the empirical characteristics of income inequality in China and a panel of BRIC+ countries over the period 1980–2013, with a focus on the redistributive contribution of fiscal policy. Using instrumental variable techniques to deal with potential endogeneity, we find evidence supporting the hypothesis of the existence of a Kuznets curve—an inverted Ushaped relationship between income inequality and economic development—in China and the panel of BRIC+ countries. In the case of China, the empirical results indicate that government spending and taxation have opposing effects on income inequality. While government spending appears to have a worsening impact, taxation improves income distribution. Even though the redistributive effect of fiscal policy in China appears to be stronger than what we identify in the BRIC+ panel, it is not large enough to compensate for the adverse impact of other influential factors”.

Tchamyou et.al (2019) “assessed the role of ICT in modulating the impact of education and lifelong learning on income inequality and economic growth. It focuses on a sample of 48 African countries from 2004 to 2014. The empirical evidence is based on the generalised method of moments (GMM). The following findings are established. First, mobile phone and internet each interact with primary school education to decrease income inequality. Second, all ICT indicators interact with secondary school education to exert a negative impact on the Gini index. Third, fixed broadband distinctly interacts with primary school education and lifelong learning to have a positive effect on economic growth. Fourth, ICT indicators do not significantly influence inequality and economic growth through tertiary school education and lifelong learning. These main findings are further substantiated. Policy implications are discussed”.

3. Historical Trends of GDP Growth and Income Inequality in Singapore and Malaysia (2000-2023)

Economic growth and income inequality are two interrelated dimensions of development that reflect both the pace and inclusiveness of economic progress. Gross Domestic Product (GDP) growth measures how rapidly an economy expands, while the Gini coefficient indicates how evenly the benefits of that growth are distributed across society. The Kuznets Curve hypothesis suggests that inequality tends to rise in the early stages of industrialization as capital and wealth concentrate in specific sectors, before declining in more mature economies as redistributive policies, human capital investment and institutional reforms improve equity (Kuznets,1955). This section examines the long-term trends in GDP growth and income equality in Singapore (a high-income, developed economy) and Malaysia (an upper-middle-income, developing economy) between 2000 and 2023, and evaluates whether economic growth has been accompanied by rising or declining inequality.

3.1 Singapore: Sustained Growth with Redistributive Transition

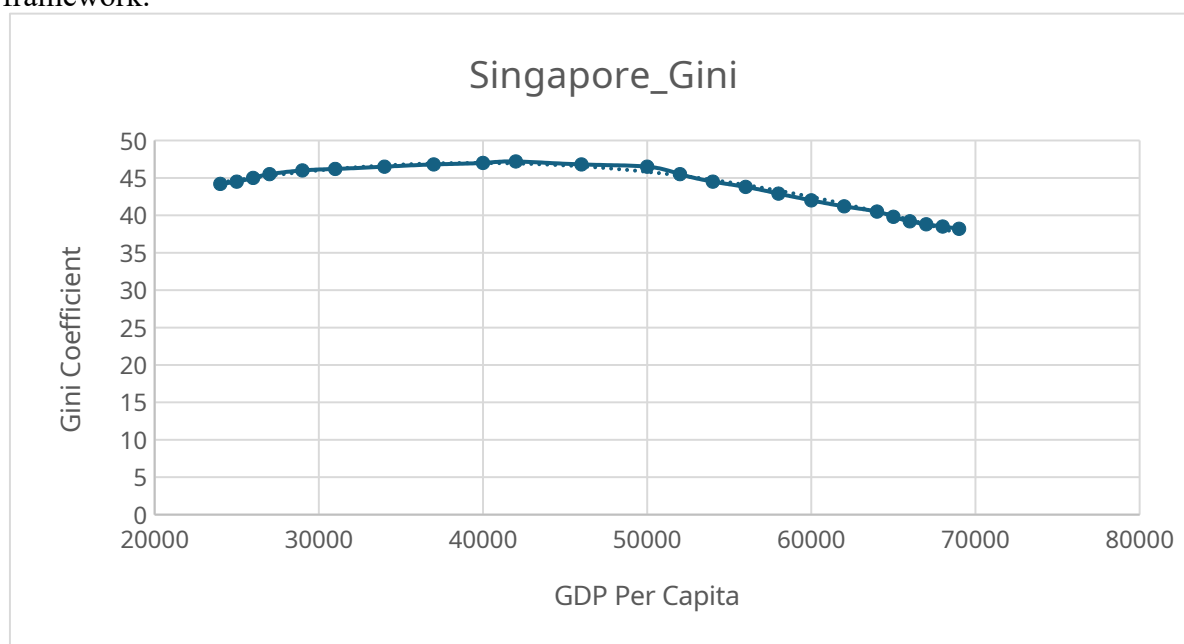
Singapore's economic trajectory from 2000 to 2023 reflects the characteristics of a high-income economy transitioning from rapid industrial growth to an innovation-driven stage. GDP per capita rose steadily from approximately USD 24,000 in 2000 to nearly USD 69,000 in 2023 (World Bank, 2024). However, this impressive economic expansion was accompanied by a complex inequality trajectory.

In the early 2000s, as growth surged, inequality worsened. The Gini coefficient increased from 44.2 in 2000 to 47.2 in 2010, suggesting that the initial benefits of globalization and rapid financial and services sector growth accrued disproportionately to higher-skilled and wealthier groups (Department of Statistics Singapore, 2023). This pattern aligns with the upward-sloping portion of the Kuznets Curve, where the benefits of growth are not broadly shared across the population.

After 2010, Singapore's policy response altered this trajectory. A suite of redistributive measures including Workfare Income Supplements, wage subsidies, progressive taxation, and enhanced public housing and healthcare support helped reduce inequality (OECD, 2022). By 2023, the Gini coefficient had declined to 38.2, indicating a narrowing gap between high and low income households despite slowing GDP growth 1.1% (World Bank, 2024).

This suggests that Singapore successfully transitioned to the downward-sloping side of the Kuznets Curve, where sustained growth and targeted redistribution reduced inequality.

Graph 1 below illustrates the relationship between GDP per capita and the Gini coefficient in Singapore from 2000 to 2023, highlighting the inverted-U shape consistent with the Kuznets framework.



Graph 1(Data compiled from World Bank, 2023; Department of Statistics Singapore, 2023).

3.2 Malaysia: Steady Growth with Gradual Equity Gains

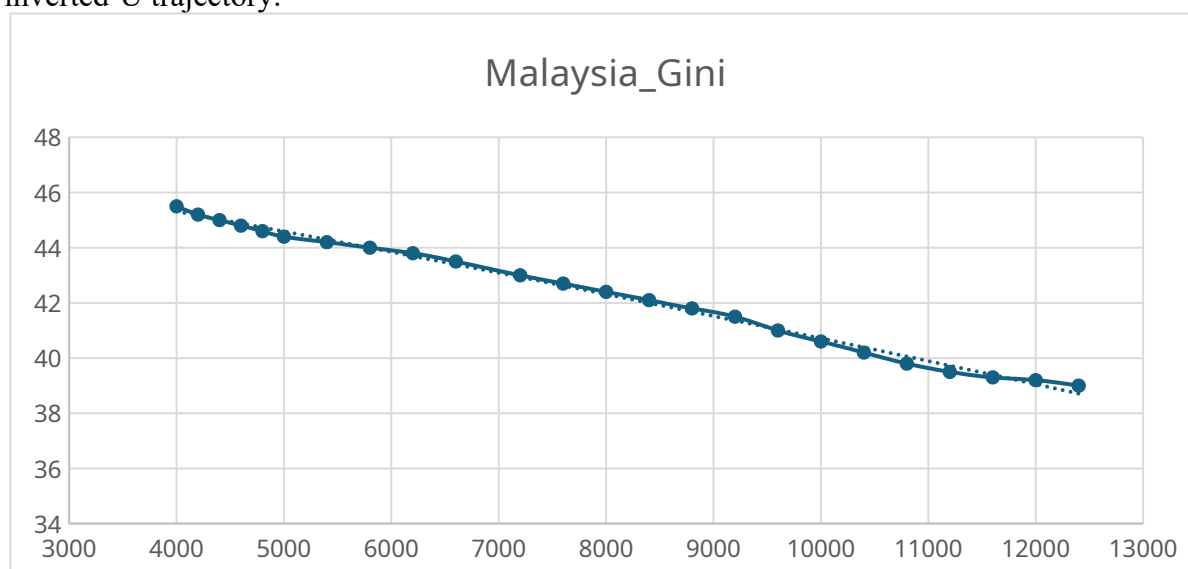
Malaysia, as a developing economy, has exhibited a different but complementary trajectory. GDP per capita rose from about USD 4,000 in 2000 to over USD 12,000 in 2023 (World Bank, 2024), reflecting structural transformation from agriculture to manufacturing and services. Despite shocks such as the 2008 global financial crisis and the COVID-19 pandemic in 2020 (-5.6% GDP contraction), the economy demonstrated resilience recovering to positive growth of 3.6% in 2023.

Income inequality in Malaysia has steadily improved over the past two decades. The Gini coefficient declined from 45.5 in 2000 to 39.0 in 2023, indicating that broad-based policies

have gradually spread the benefits of growth (World Bank, 2024; DOSM, 2023). These included expansion of education, rural development initiatives, subsidies, and targeted cash transfers.

Unlike Singapore, Malaysia's inequality decline has been gradual rather than sharp. This reflects structural challenges, including regional disparities between Peninsular and East Malaysia, and persistent ethnic income gaps (ADB,2022). Malaysia therefore appears to be in the plateauing stage of the Kuznets Curve, where growth generates broad improvements in living standards but inequalities persist due to structural and institutional barriers.

Graph 2 below shows Malaysia's GDP per capita and Gini coefficient between 2000 and 2023, demonstrating a more linear, downward-sloping trend in inequality compared to Singapore's inverted-U trajectory.



Graph 2 (Data compiled from Department of Statistics Malaysia,2023).

3.3 Comparative analysis and Kuznets curve implications

A comparative analysis of Singapore and Malaysia highlights important insights about the growth-inequality nexus:

1. Stage of Development

- Singapore, as a high-income economy, initially experienced rising inequality during rapid globalization and capital accumulation. However, it successfully reversed this trend through redistributive measures, demonstrating the maturity phase predicted by the Kuznets Curve (Kuznets,1955).
- Malaysia, still in the upper-middle-income category, has experienced steady growth with gradual reductions in inequality. Its trajectory suggests it is still progressing along the middle-to-plateau stage of the curve. (World Bank, 2024).

2. Policy Interventions

- Singapore's sharp post-2010 reduction in inequality highlights the effectiveness of targeted redistributive fiscal policies (OECD,2022).
- Malaysia's improvements, though slower, show the role of broad-based social and developmental policies in gradually narrowing income gaps (ADB,2022).

3. Growth-Inclusiveness Trade-off: Singapore's case demonstrates that high growth does not automatically lead to equity unless accompanied by deliberate redistribution, whereas Malaysia shows that sustained but moderate growth can still yield equity gains if combined with social investment (World Bank, 2024).

Year	Singapore GDP per capita USD	Singapore Gini	Malaysia GDP per capita USD	Malaysia Gini
2000	24,000	44.2	4,000	45.5
2001	25,000	44.5	4,200	45.2
2002	26,000	45	4,400	45
2003	27,000	45.5	4,600	44.8
2004	29,000	46	4,800	44.6
2005	31,000	46.2	5,000	44.4
2006	34,000	46.5	5,400	44.2
2007	37,000	46.8	5,800	44
2008	40,000	47	6,200	43.8
2009	42,000	47.2	6,600	43.5
2010	46,000	46.8	7,200	43
2011	50,000	46.5	7,600	42.7
2012	52,000	45.5	8,000	42.4
2013	54,000	44.5	8,400	42.1
2014	56,000	43.8	8,800	41.8
2015	58,000	42.9	9,200	41.5
2016	60,000	42	9,600	41
2017	62,000	41.2	10,000	40.6
2018	64,000	40.5	10,400	40.2
2019	65,000	39.8	10,800	39.8
2020	66,000	39.2	11,200	39.5
2021	67,000	38.8	11,600	39.3
2022	68,000	38.5	12,000	39.2
2023	69,000	38.2	12,400	39

Data for Graph 1&2 (Data compiled from World Bank, 2023; Department of Statistics Singapore, 2023; Department of Statistics Malaysia,2023).

4. Policy Responses to Income Inequality and Economic Growth in Singapore and Malaysia

Balancing economic growth with income inequality is a persistent challenge for governments worldwide. Singapore and Malaysia, despite their geographical proximity and shared colonial history, have adopted distinct policy frameworks shaped by their respective levels of development, institutional capacities, and socio-political contexts (World Bank,2024). This section explores how each country has used fiscal, monetary, and social policy tools to address income inequality while sustaining economic growth.

4.1 Singapore: Targeted Redistribution with Fiscal Discipline

Singapore's policy approach is characterized by fiscal prudence, targeted redistribution, and efficient governance. The government maintains a low-tax regime to attract foreign investment and support business competitiveness. Corporate tax rates are capped at 17% and personal income tax rates are progressive but relatively low compared to OECD countries (Singapore Ministry of Finance, 2023). Despite this, Singapore has developed a robust system of social transfers and subsidies aimed at reducing inequality.

Key fiscal initiatives include:

- GST Voucher Scheme: This program provides cash payouts, utility rebates, and Medisave top-ups to lower-income households, helping to offset the regressive nature of the Goods and Services Tax.
- Workfare Income Supplement(WIS): Designed to support low-wage workers, WIS provides cash and CPF contributions to encourage employment and supplement incomes.
- Silver Support Scheme: Offers quarterly cash payments to elderly citizens with little or no income, addressing old-age poverty.

These programs are funded through budget surpluses and returns from sovereign wealth funds (eg. Temasek Holdings and GIC), allowing Singapore to maintain fiscal sustainability while delivering social support (IMF,2022).

❖ Monetary Policy

Singapore's monetary policy, managed by the Monetary Authority of Singapore (MAS) , is unique in its focus on exchange rate management rather than interest rate targeting. While monetary policy is not directly aimed at reducing inequality, it plays a crucial role in maintaining price stability, which disproportionately benefits lower-income households by preserving purchasing power (MAS,2023). Stable inflation also supports long-term investment and economic confidence, contributing to sustained growth.

❖ Social Policy

Singapore's social policies are data-driven and targeted, focusing on education, housing and healthcare. The government provides heavily subsidized public housing through the Housing Development Board (HDB) which has helped reduce wealth inequality (HDB, 2023). Education policies emphasizes meritocracy with financial assistance schemes ensuring access for lower income students. Universal healthcare is supported through schemes like MediShield Life and CHAS, offer affordable coverage and subsidies (MOH,2023).

4.2 Malaysia: Broad-based Development with Structural Challenges

Malaysia's policy framework reflects its status as a developing economy with a diverse population and historical inequalities. The government has adopted a broad-based approach to redistribution, focusing on rural development, education, and healthcare access (World Bank, 2024). Fiscal policies are more expansive, with higher reliance on subsidies and public investment.

Key fiscal initiatives include:

- Cash transfer programs such as Bantuan Sara Hidup (BSH) and STR which provide direct financial assistance to low-income households (Malaysia MOF, 2023).
- Subsidies for fuel, food and utilities, aimed at reducing the cost of living for vulnerable groups (DOSM,2023).
- Public investment in infrastructure, including roads, schools and hospitals, particularly in underserved regions (ADB,2022).

Malaysia's tax system is moderately progressive, but tax collection efficiency remains a challenge. The government has also faced fiscal constraints due to high public debt and reliance on commodity revenues. (IMF,2023)

❖ **Monetary policy**

Malaysia's monetary policy managed by Bank Negara Malaysia, focuses on interest rate adjustments to manage inflation and stimulate growth. During economic downturns, such as the COVID-19 pandemic, BNM implemented rate cuts and liquidity support to stabilize the economy (BNM,2021). While not directly redistributive, these measures help preserve employment and support household consumption.

❖ **Social Policy**

Malaysia has invested heavily in education like healthcare, with public institutions providing affordable access (World Bank, 2024). Programs like Technical and Vocational Education and Training (TVET) aim to equip youth with market-relevant skills. However, disparities in quality and access between urban and rural areas persist (ADB,2022). Healthcare is subsidized, but infrastructure gaps and uneven service delivery remain challenging.

❖ **Comparative insights**

Singapore's approach is targeted, efficient, and fiscally conservative, relying on data-driven redistribution and strong institutional capacity (OECD,2022). Malaysia's strategy is broad-based and politically sensitive, shaped by ethnic considerations and regional disparities (DOSM, 2023). While both countries have made progress in reducing inequality Singapore's model has been more effective in aligning equity with sustained high growth (World Bank, 2024).

5. Policy Recommendation as Economic Advisor

As an economic advisor to Malaysia, I recommend that the country prioritize high GDP growth in the short- to-medium term, while continuing to implement targeted measures to mitigate income inequality. This recommendation is grounded in Malaysia's current economic trajectory, structural challenges, and the potential for inclusive growth through strategic investments.

Malaysia has made significant strides in reducing poverty and expanding its middle class over the past two decades. Between 2004 and 2022 the income share of the bottom 20% rose from 4.6% to nearly 6 %, while redistributing effects, particularly during periods of rapid expansion (DOSM, 2023; World Bank,2024). However, inequality remains high, with Malaysia's Gini index at 39 above the average for high-income countries(mean of 30) (World Bank, 2024).

Despite this, Malaysia is on the cusp of achieving high-income status by 2028-2030, and maintaining strong GDP growth is essential to cross this threshold (World Bank, 2024; IMF,2023). Economic expansion drives job creation, boosts public revenues, and enables greater fiscal space for redistributive policies. For example, Malaysia's GDP grew by 4.4% in Q1 2025, supported by robust performance in services and manufacturing (DOSM, 2025). Sustaining this momentum is critical to absorb the country's young labor force and reduce underemployment, especially in rural and semi-urban areas.

From a theoretical perspective, this strategy aligns with the Kuznets Curve framework, which suggests that in the earlier stages of development, growth tends to widen inequality, but over time, rising incomes and institutional reforms can reduce inequality (Kuznets, 1955). Malaysia's current position on this curve implies that strong growth is still a necessary precondition for long-term equity improvements.

Moreover, inequality in Malaysia is deeply structural, driven by disparities in education quality, access to healthcare, and labor market segmentation (ADB,2022). Poorer households are more likely to work in informal sectors, earn lower wages, and lack access to capital. These issues cannot be resolved solely through redistribution, they require inclusive growth strategies that expand economic opportunities.

Prioritizing GDP growth allows Malaysia to invest in infrastructure, digital transformation, and human capital development areas that can uplift marginalized communities and reduce inequality over time (World Bank, 2024). For instance, expanding high-speed internet access and vocational training in underserved regions can improve productivity and upward mobility (ADB, 2022).

A comparison with Singapore illustrates the value of this sequencing. Singapore experienced rising inequality during its high-growth years in the 1990s and early 2000s (Gini of 47.2 in 2010), but once it secured high-income status, it deployed redistributive policies such as Workfare and Silver Support, reducing its Gini to 38.2 by 2023 (Department of Statistics Singapore, 2023). This suggests Malaysia should first secure robust growth, then scale redistribution as fiscal capacity expands.

However, this growth must be inclusive and sustainable. Malaysia should continue implementing targeted social protection programs, progressive tax reforms, and place-based policies to ensure that growth benefits are widely shared. The government's Madani Economic Framework, which aims to raise labor income share and reduce wealth concentration, is a step in the right direction (Government of Malaysia, 2023).

Nonetheless, it is important to acknowledge the risks of over-prioritising growth. If growth is driven mainly by capital-intensive sectors or foreign investment, inequality could widen in the short term, undermining social cohesion. Thus growth policies must be carefully paired with equity safeguards.

In conclusion, while inequality remains a concern, Malaysia's immediate priority should be to sustain high GDP growth. This approach is consistent with the Kuznets hypothesis and with lessons from Singapore's development path. It provides the foundation for long-term structural reforms and inclusive development, ensuring that prosperity reaches all segments of society (World Bank, 2024; IMF,2023).

6. Global Disruptions and Their Impacts

Global disruptions such as financial crises, pandemics, and geopolitical tensions have profound effects on national economies, often reshaping the relationship between economic growth and income inequality. For Singapore and Malaysia, these events have tested the resilience of their economic models and exposed vulnerabilities in their social structures. This section evaluates how such disruptions have influenced the growth-inequality nexus in both countries over the past two decades.

1. The Global Financial Crisis (2008-2009)

Singapore

Singapore, as a highly open and trade-dependant economy, was significantly affected by the global financial crisis. GDP growth fell sharply from 8.6% in 2007 to 0.6% in 2009 (World Bank, 2024a). The crisis led to job losses, especially in export-oriented sectors, and increased economic insecurity.

However, the government responded swiftly with a Resilience Package worth SGD20.5 billion, which included wage support, tax rebates, and infrastructure investments (IMF, 2010). These measures helped cushion the impact on lower-income groups and prevented a sharp rise in inequality. The Gini index remained relatively stable, indicating effective redistribution (Department of Statistics Singapore, 2023).

Malaysia

Malaysia experienced a contraction in GDP growth from 6.3 in 2007 to -1.5 % in 2009 (World Bank, 2024b). The crisis exposed Malaysia's dependence on commodity exports and foreign investment. In response, the government launched a stimulus package of RM67 billion, focusing on infrastructure, education and social welfare (Bank Negara Malaysia, 2010).

While the immediate impact on inequality was muted, the crisis highlighted structural weakness, such as limited social protection and regional disparities. The Gini index showed a slight decline, but poverty reduction efforts slowed (DOSM, 2022).

2. COVID-19 Pandemic (2020-2021)

Singapore

The pandemic caused Singapore's GDP to contract by -3.9% in 2020, the worst decline since independence (World Bank, 2024a). Sectors like tourism, aviation, and retail were severely affected. Income inequality initially widened due to job losses among low-wage workers.

The government responded with four budget packages totaling over SGD100 billion, including the Jobs Support Scheme, Self-Employed Income Relief Scheme and Solidarity Payments (Ministry of Finance Singapore, 2021). These interventions were instrumental in stabilizing incomes and reducing inequality. By 2021, the Gini index had declined to 38.6, reflecting successful mitigation (Department of Statistics Singapore, 2023).

Malaysia

Malaysia's GDP shrank by -5.6% in 2020, with significant disruptions in manufacturing, services, and informal employment (World Bank, 2024b). The pandemic exacerbated existing inequalities, particularly among rural and low-income households.

The government introduced several stimulus packages, including PRIHATIN, PENJANA, and PEMULIH, totaling over RM300 billion (Bank Negara Malaysia, 2021). These included cash transfers, wage subsidies, and loan moratoriums. Despite these efforts, inequality remained a concern, especially due to gaps in digital access and healthcare infrastructure (Khazanah Research Institute 2022).

3. Geopolitical Tensions and Supply Chain Shocks

Singapore

As a global trade hub, Singapore has been affected by U.S-China tensions, Brexit, and supply chain disruptions. These events have led to increased costs and uncertainty in trade flows (OECD,2022). However, Singapore's diversified economy and strong institutions have helped mitigate the impact.

The government has focused on economic transformation, investing in digitalization, green technologies, and regional partnerships such as RECP (ASEAN Secretariat, 2021). These strategies aim to sustain growth while ensuring inclusive development.

Malaysia

Malaysia has faced challenges due to commodity price volatility, regional political instability and global trade shifts. These factors have affected export earnings and investor confidence (IMF, 2022). The government has responded with policies to diversify exports, strengthen SMEs and enhance regional integration.

However, geopolitical disruptions have also exposed Malaysia's reliance on low-cost labor and limited technological capacity, which may hinder inclusive growth if not addressed (Khazanah Research Institute, 2022).

Global disruptions have had significant but varied impacts on Singapore and Malaysia. Singapore's strong fiscal capacity and targeted social policies have enabled it to manage inequality effectively during crises. Malaysia, while making progress faces structural challenges that require deeper reforms to ensure that growth translates into equitable outcomes. Both countries must continue to build resilient, inclusive economies that can withstand future shocks. This includes investing in human capital, strengthening social protection, and embracing sustainable development strategies. (World Bank, 2024a; World Bank, 2024b).

Conclusion

The comparative analysis of Singapore and Malaysia over the past two decades shows that while economic growth is a necessary condition for development, it does not automatically ensure equitable outcomes. The relationship between growth and inequality is complex, shaped development stage, policy choices, and exposure to global shocks (Kuznets, 1955; World Bank, 2024).

Singapore's trajectory highlights the effectiveness of targeted redistribution in reducing inequality within a high growth environment. Inequality rose during industrialization phase, consistent with the Kuznets Curve, but declined after 2010 through policies such as the GST Voucher Scheme, Workfare Income Supplement, and Silver Support Scheme Singapore (Department of Statistics Singapore, 2023; OECD, 2022). Coupled with an exchange rate based monetary policy that stabilised inflation, these measures narrowed income gaps. Singapore's rapid fiscal response during the 2008 financial crisis and the COVID-19 pandemic further illustrates the role of strong institutions and fiscal capacity in cushioning vulnerable households (IMF, 2021).

Malaysia's journey has been more gradual, reflecting its status as a developing economy with structural challenges. While GDP growth has been relatively stable, inequality has declined slowly, suggesting that growth has not been fully inclusive. Malaysia's fiscal and social policies such as investments in education, healthcare and rural development have contributed to equity gains, but disparities in access and quality remain. The country's response to global disruptions, including large-scale stimulus packages during the pandemic, helped mitigate short-term impacts but exposed weakness in social protection and digital infrastructure. Malaysia's reliance on commodity exports and low-cost labor also makes it vulnerable to geopolitical tensions and supply chain shocks.

In conclusion, Malaysia should prioritise sustaining GDP growth while embedding inclusivity, ensuring that fiscal gains from growth finance long-term redistribution. Transitioning to high-income status will depend not only on growth but also on tackling structural inequalities through investments in human capital, digitalisation, and targeted social programs (Ministry of Finance Malaysia, 2023).

Reference

1. Kuznets, S. (1955) 'Economic Growth and Income Inequality', *American Economic Review*, 45(1), pp. 1–28.
2. ADB (2022) *Malaysia: Addressing Inequality through Inclusive Growth*. Asian Development Bank. Available at: <https://www.adb.org> (Accessed: 13 September 2025).
3. Department of Statistics Malaysia (DOSM) (2023) *Household Income and Basic Amenities Survey Report*. Putrajaya: DOSM.
4. Department of Statistics Singapore (2023) *Key Household Income Trends*. Singapore: SingStat.
5. Kuznets, S. (1955) 'Economic Growth and Income Inequality', *American Economic Review*, 45(1), pp. 1–28.
6. OECD (2022) *Economic Surveys: Singapore*. Paris: OECD Publishing.

7. World Bank (2024) *World Development Indicators*. Washington, DC: The World Bank. Available at: <https://data.worldbank.org> (Accessed: 13 September 2025).
8. World Bank (2023) *World Development Indicators: GDP per capita (current US\$) and Gini index (2000–2023)*. Available at: <https://data.worldbank.org> (Accessed: 13 September 2025).
9. Department of Statistics Singapore (2023) *Singapore GDP per capita and Gini coefficient, 2000–2023*. Singapore: Department of Statistics. Available at: <https://www.tablebuilder.singstat.gov.sg> (Accessed: 13 September 2025).
10. Department of Statistics Malaysia (2023) *Household Income and Basic Amenities Survey: GDP per capita and Gini coefficient, 2000–2023*. Putrajaya: DOSM. Available at: <https://www.dosm.gov.my> (Accessed: 13 September 2025).
11. ADB (2022) *Malaysia: Addressing Inequality through Inclusive Growth*. Asian Development Bank. Available at: <https://www.adb.org> (Accessed: 13 September 2025).
12. Bank Negara Malaysia (BNM) (2021) *Annual Report 2021*. Kuala Lumpur: BNM.
13. Department of Statistics Malaysia (DOSM) (2023) *Household Income and Basic Amenities Survey Report*. Putrajaya: DOSM.
14. Department of Statistics Singapore (2023) *Key Household Income Trends*. Singapore: SingStat.
15. HDB (2023) *Public Housing in Singapore*. Housing & Development Board. Available at: <https://www.hdb.gov.sg> (Accessed: 13 September 2025).
16. IMF (2022) *Singapore: 2022 Article IV Consultation Report*. Washington, DC: International Monetary Fund.
17. IMF (2023) *Malaysia: 2023 Article IV Consultation Report*. Washington, DC: International Monetary Fund.
18. MAS (2023) *Monetary Policy Framework*. Monetary Authority of Singapore. Available at: <https://www.mas.gov.sg> (Accessed: 13 September 2025).
19. Ministry of Finance Malaysia (MOF) (2023) *Fiscal Outlook and Federal Government Revenue Estimates 2023*. Putrajaya: MOF.
20. Ministry of Finance Singapore (2023) *Budget 2023: Building Our Shared Future Together*. Singapore: MOF.
21. Ministry of Health Singapore (MOH) (2023) *Healthcare Financing Schemes*. Singapore: MOH.
22. OECD (2022) *Economic Surveys: Singapore 2022*. Paris: OECD Publishing.
23. World Bank (2024) *World Development Indicators*. Washington, DC: The World Bank. Available at: <https://data.worldbank.org> (Accessed: 13 September 2025).
24. ADB (2022) *Malaysia: Addressing Inequality through Inclusive Growth*. Asian Development Bank. Available at: <https://www.adb.org> (Accessed: 13 September 2025).
25. Department of Statistics Malaysia (DOSM) (2023) *Household Income and Basic Amenities Survey Report*. Putrajaya: DOSM.
26. Department of Statistics Malaysia (DOSM) (2025) *Quarterly GDP Report, Q1 2025*. Putrajaya: DOSM.
27. Department of Statistics Singapore (2023) *Key Household Income Trends 2023*. Singapore: SingStat.
28. Kuznets, S. (1955) 'Economic Growth and Income Inequality', *American Economic Review*, 45(1), pp. 1–28.
29. Ministry of Finance Malaysia (2023) *Madani Economic Framework: Strengthening Malaysia's Economy*. Putrajaya: Ministry of Finance.
30. OECD (2022) *Income Inequality Data and Indicators*. Paris: OECD Publishing.

31. World Bank (2024) *World Development Indicators*. Washington, DC: The World Bank. Available at: <https://data.worldbank.org> (Accessed: 13 September 2025).
32. ASEAN Secretariat. (2021) *Regional Comprehensive Economic Partnership (RCEP) Agreement*. Jakarta: ASEAN.
33. Bank Negara Malaysia. (2010) *Annual Report 2009*. Kuala Lumpur: BNM.
34. Bank Negara Malaysia. (2021) *Annual Report 2020*. Kuala Lumpur: BNM.
35. Department of Statistics Malaysia (DOSM). (2022) *Household Income and Basic Amenities Survey Report 2022*. Putrajaya: DOSM.
36. Department of Statistics Singapore. (2023) *Key Household Income Trends, 2022*. Singapore: DOS.
37. IMF. (2010) *Singapore: 2009 Article IV Consultation—Staff Report*. Washington, DC: International Monetary Fund.
38. IMF. (2022) *Malaysia: 2021 Article IV Consultation—Staff Report*. Washington, DC: International Monetary Fund.
39. Khazanah Research Institute. (2022) *Inequality in Malaysia: Assessing COVID-19 Impacts*. Kuala Lumpur: KRI.
40. Ministry of Finance Singapore. (2021) *Budget 2021: Emerging Stronger Together*. Singapore: MOF.
41. OECD. (2022) *Economic Outlook 2022: Global Trade Disruptions*. Paris: Organisation for Economic Co-operation and Development.
42. World Bank. (2024a) *Singapore Data Portal*. Washington, DC: World Bank. Available at: <https://data.worldbank.org/country/singapore> [Accessed 13 September 2025].
43. World Bank. (2024b) *Malaysia Data Portal*. Washington, DC: World Bank. Available at: <https://data.worldbank.org/country/malaysia> [Accessed 13 September 2025].
44. ADB (2022) *Malaysia: Addressing Inequality through Inclusive Growth*. Asian Development Bank.
45. Bank Negara Malaysia (BNM) (2021) *Annual Report 2021*. Kuala Lumpur: BNM.
46. Department of Statistics Malaysia (DOSM) (2023) *Household Income and Basic Amenities Survey Report*. Putrajaya: DOSM.
47. Department of Statistics Singapore (2023) *Key Household Income Trends 2023*. Singapore: SingStat.
48. IMF (2021) *Singapore: 2021 Article IV Consultation*. Washington, DC: International Monetary Fund.
49. Kuznets, S. (1955) 'Economic Growth and Income Inequality', *American Economic Review*, 45(1), pp. 1–28.
50. Ministry of Finance Malaysia (2023) *Madani Economic Framework*. Putrajaya: MoF.
51. OECD (2022) *Economic Surveys: Singapore*. Paris: OECD Publishing.
52. World Bank (2024) *World Development Indicators*. Washington, DC: World Bank.
53. Tabash, M. I., Elsantil, Y., Hamadi, A., & Drachal, K. (2024). Globalization and income inequality in developing economies: A comprehensive analysis. *Economies*, 12(1), 23.
54. Challoumis, C. (2024). Innovation and Economic Growth: A Comparative Study of Economocracy and Traditional Systems. *SSRN Electronic Journal*.
55. Levine, M. R. (2021). Finance, growth, and inequality. International Monetary Fund.
56. Cicchiello, A. F., Kazemikhasragh, A., Monferrá, S., & Girón, A. (2021). Financial inclusion and development in the least developed countries in Asia and Africa. *Journal of Innovation and Entrepreneurship*, 10(1), 49.

57. Amar, S., & Pratama, I. (2020). Exploring the link between income inequality, poverty reduction and economic growth: An ASEAN perspective. *International Journal of Innovation, Creativity and Change*, 11(2), 24-41.
58. Hailemariam, A., Dzhumashev, R., & Shahbaz, M. (2020). Carbon emissions, income inequality and economic development. *Empirical Economics*, 59(3), 1139-1159.
59. Cevik, S., & Correa-Caro, C. (2020). Growing (un) equal: fiscal policy and income inequality in China and BRIC+. *Journal of the Asia Pacific Economy*, 25(4), 634-653.
60. Tchamyou, V. S., Asongu, S. A., & Odhiambo, N. M. (2019). The role of ICT in modulating the effect of education and lifelong learning on income inequality and economic growth in Africa. *African Development Review*, 31(3), 261-274.
61. Taddese, E. T., Gebresilase, B. M., Aboudahr, S. M. F. M., Dinsa, M. T., & Aslam, S. (2025). The practice of inclusive education in Central Ethiopia Regional State: a case study of primary schools. *Education* 3-13, 1–14. <https://doi.org/10.1080/03004279.2024.2449462>