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THE IMPACT OF DEVELOPMENT IN FINANCE AFFECTS FOREIGN DIRECT INVESTMENT FOR SPECIFIC ASIAN COUNTRIES

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ABSTRACT

Countries want to increase direct foreign investment pro numerous details, for example, knowledge transmission, growing employment, guaranteeing growing and progress, FDI can be used to bridge the savings gap and has a major influence against growth for nations economy particularly, it reviewed FDI is influenced by financial development in countries, in this context, the study aims at investigating how financial development affects foreign direct investment in thirty nine Asian States for the period 2010-2017. This paper is important because FDI is crucial for developing countries, therefore; GMM was used to test the effect of target country's level of financial development on FDI. Financial development does not matter according to several studies, however, there are exceptions to these findings, for instance, based on results, economic growth is an essential factor that boosts the flow of FDI into a country, thus allowing stronger players and better access via local capital markets, nonetheless, local factors may decrease FDI effects where it matters most.


Keywords: Pecuniary Growth Catalogue, External Immediate Investment, GMM, Rising States, Asian States

1. INTRODUCTION

Several states pursue to interest external immediate venture (EIV) as they believe that international businesses will participate to pecuniary growth via making new work chances, cumulative wealth accretion and entire issue output, sufficiently of experiential indication displays that EIV tends to make net improvements for countries (Moran, 2001; Navaretti and Venables, 2005), the effects of EIV that increase economic growth in terms of countries have drawn attention to this area and brought about a comprehensive investigation of its determinants.

Economic growth is the ultimate goal of all developed or developing countries, in line with this goal, countries follow different economic policies, one of these policies is foreign capital investments, which are evaluated within the framework of an open economy approach, foreign capital, which is generally examined in two parts as direct and indirect, is a highly debated issue in the literature, especially whether it has an impact on the development of developing countries, in particular, the effects of real investments, which are expressed as foreign direct capital, on national economies are more important for developing countries that have financing problems in investment, studies in the literature (Balasubramanyam et al., 1996; Agarwal, 2001; Eicher et al., 2012; Blonigen and Piger, 2014; Desbordes and Wei, 2014) have shown that FDI has an impact on local economic activities, productivity, employment, taxation and economic growth in general, has been shown to be effective, knowing the determinants of FDI, especially in developing countries, will be able to guide the policy makers of these countries, in studies on the determinants of FDI (Onafowora and Owoye, 2018; Türedi, 2018; Jha, 2019; Kılınç, 2020), the determinants of FDI are mostly GDP, GNP, economic growth rate, inflation rate, exchange rates, trade openness, market size, cultural and physical proximity, relative labor market endowment, corporate tax rates and financial development, human capital and management variables are discussed.

The research, the result of pecuniary growth level, which is a less concentrated indicator in the literature, on FDI was investigated, considering the importance of the subject for developing countries, Asian countries, whose data

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can be accessed as a sample, were analyzed, although there are many measurement techniques of financial development, this study is based on local loans owed to the secluded subdivision by banks and other pecuniary mediators, this measure of financial development, which imitates the real use of outside obligation bankrolling in the budget, is widely used in the growth, finance and international trade literature (Levine, 2005: 921), in this context, the relation between FDI made directly to 39 Asian countries and the financial development index was examined moments (GMM) method to be implemented for 2010-2017, the analysis are expected to be a guide especially for policy makers regarding FDIs, in addition, it is expected to contribute to the literature, considering that there is a sample that has been little analyzed in this context before.

After the first introductory part of the study, the concept of financial development is explained in the second part, the theoretical part about the relation between the level of financial development and FDI is included, the third part includes the literature on the subject, the fourth part includes data and method, the fifth part analyzes and findings and the sixth part presents the data and methods, in this section, the study ends with a general evaluation of the findings.

2. Conceptual and Theoretical Framework

2.1. Financial Development Concept

Financial development means an increase in the number and diversity of financial instruments and institutions that make up the financial structure, along with financial development, the financial system is undergoing changes both in terms of its size, efficiency and stability, and in terms of access to financial instruments due to its structure (Afşar and Afşar, 2010: 51; Aslan et al., 2019: 650), in relation to this, the concept of financial deepening is used to explain the development of the financial system, financial deepening, which reviews the breadth of the financial system and the diversity of financial instruments, is also measured as the ratio of the total financial assets in an economy to national income, although the share of the banking system is large in an economic structure in which financial markets are shallow, which represents the initial stage of financial development, financial deepening occurs with the continuation of financial development and economic growth and the share of the banking system in the financial system decreases, with financial development, the share of intermediaries that provide their funds from financial instruments other than deposits, such as mutual funds, investment companies, private pension companies, insurance companies and financing companies, is increasing, as well as the number of financial intermediary institutions and instruments, the high diversity of them ensures that transactions are increased, funds are transferred more easily and effectively, and shows financial development (Afşar and Afşar, 2010: 51-54).

The increase in the level of development of the financial system enables the financial system to fully fulfill its functions such as reducing risks, producing information and distributing capital, and collecting savings in a pool, thus transferring the resources created by savings to productive areas (Afşar and Afşar, 2010: 51), the development of the financial system causes the savings needed for investments to increase, an advanced financial system reduces the costs of acquiring information, ensuring that savings are used from the most efficient to the most inefficient, respectively, and accelerates investments, with financial development, the liquidity level of financial markets increases and the buying and selling of financial instruments becomes easier, for example, while the liquidity of the stocks of companies in a developed stock market increases, the cost of capital decreases and this can be attractive for foreign investors (Kılınç, 2020: 47).

The degree of financial development of the host country is one of the main determinants of foreign direct capital flows (Nwosa and Emma-Ebere, 2017: 182), other determinants of FDI include growth, inflation, economic openness, monetary policy, political and institutional factors (Louil and Zouita, 2021: 29).

2.2. The Relation Between Financial Development and Foreign Direct Investments

Economic growth is realized by the increase in production and production capacity, ensuring economic growth is possible by increasing the investments that constitute the capital accumulation (İnal and Beşel, 2018: 166), Wealth, which is the effort of manufacture, is one of the most important inputs used to explain the changes in development (Karhan and Akbulut, 2019: 227), foreign direct investment investments are generally needed in developing countries with insufficient domestic savings to ensure sustainable economic growth and development (Öztürk and



Bayar, 2021: 2583), foreign direct investment, it occurs as the establishment of a new company with a new investment made by a foreign business, opening a office, structure a new building, purchasing an existing company in whole or in part, merging with a company, taking part in collaborative ventures and making license agreements (Karhan and Akbulut,(2008 -2019: 227), as well as the acquisition of a business in a country, external immediate funds, which are realized in the form of providing founding capital for a newly established company or increasing the capital of an existing company, support growth by providing capital, technology, knowledge, employment and productivity increase in these countries (İnal and Beşel, 2018: 166).

Although the financial sectors of the countries whose economic situation is weak and have not completed their financial development show a good performance, they are not successful in attracting foreign direct investment, FDI and growth increase when there is a developed financial sector (Saira et al., 2019: 53), in an economy with a high level of financial development, low transaction costs provide information at reasonable cost, efficient use of financial resources, diversification of risk and hedging, and increasing FDI by improving returns on investments, financial development requires the establishment of sound financial policies and regulatory frameworks that have a major influence on the level of local funds funded by financial institutions, therefore, the lack of an adequate and developed monetary part can have negative effects not only on internal investments, but also on the aptitude of monetary institutes (structure) to entice external wealth influxes (Nwosa and Emma-Ebere, 2017: 182).

Financial development is a key determinant for economic growth and development, as well as a facilitator, an advanced financial system showing the level of financial development provides an efficient distribution of resources, monitoring, symmetrical information and an efficient environment for economic growth, the financial system contributes to economic performance by activating the capitals that money venture plans and by examining and monitoring venture plans and increasing the effectiveness of projects, the sophistication of the financial system also provides multinational companies with the opportunity to borrow to expand their innovative investment activities that will lead to technology transfer to domestic companies, apart from these, the level of financial development increases resilience against crises such as currency crises and financial crises (Choong, 2012: 821), these features of the level of financial development create a suitable environment for foreign direct investment.

The increase in money supply in the country where foreign direct investments are made causes an increase in the amount of funds used by the financial markets and banking sector (Ege and Şahin, 2014:10), the capital increase with the inflow of foreign direct investment to countries with a high level of financial development positively affects the lending opportunities of banks and other financial intermediaries (Kılınç, 2020: 46), a developed financial market and system with a high volume of financial capital can create the opposite effect by encouraging the entry of foreign direct investments into that country (Ege and Şahin, 2014:10), the development of the financial system and the increase in the level of financial development increase the confidence of the investors and increase the investments (Çelik, 2019: 66; Kılınç, 2020: 46), increasing capital accumulation by making investments is also effective in attracting foreign direct investments (İnal and Beşel, 2018: 166; Çelik, 2019: 66).

Financial development needs to be achieved in host countries for FDI to serve as a tool to accelerate economic growth, the stronger the level of financial development, the more FDI can stimulate economic growth, therefore, all countries should encourage higher financial development to enable FDI to drive growth, however, it is important how much the level of financial development needs to be increased in order to ensure that economic growth benefits from foreign direct investments, however, in the event of a financial crisis, the high level of finance in the economy may harm growth and the economy may suffer, for this reason, the financial system should be well organized against crises (Bahri et al., 2019: 3-4).

Besides foreign direct capital, many factors affecting economic growth and similar economic activity have been investigated in the literature, in these studies, it was observed that many factors such as banking sector efficiency, energy prices and social policies were addressed (Klein and Ariss, 2022 Geise and Piłatowska for 2022; Kim and Vera, 2022; Aban and Vigonte, 2022), another factor affecting economic activity is financial development (Singh, 2022, Onyekachukwu and Samuel, 2022), on the other hand, socio-economic factors such as income inequality, budget balance and industrial production are also affected by financial development (Séraphin and Cyrille, 2022; Son, 2022; Chletsos and Sintos, 2022; Olayungbo et al., 2022), however, there are also studies on the effect of financial development on foreign direct capital (Nwosa and Emma andEbere, 2017, Desbordes and Wei on 2017; Karhan and Akbulut, 2019; Aslan et al., 2020, this study differs from the others in terms of sample and method and it is expected to contribute to the literature with this aspect.



3. Literature Review

The financial growth with FDI active relation has attracted recently great care, the reason for this is the need for FDI of countries and especially the countries that constitute the sample of this study, however, in the last few years it has been observed that many studies have been conducted using ways of different economic measuring and covering various countries, including control variable quantity, while many empirical studies have focused on a specific country, others have focused on a group of countries within the panel data frame via using dissimilar practices and timeframes, with conflicting findings, some of these are those:

Hanson (2001) in his study using a sample of G-24 countries for the years 1990-1998, observed weak evidence that FDI has generally positive effects for countries, when the literature on investments from foreign countries to domestic companies is examined, Görg and Greenaway (2004) concluded that the effects of foreign direct investments are mostly negative in their study on 60 countries, Choong (2012), in his study, examined the relation between foreign direct investment, financial development and economic growth using generalized moment (GMM) panel data analysis method for 95 advanced countries from 1983 to 2006, in the research, it was concluded that the national financial system is an important prerequisite for FDI to have a positive effect on economic growth, and it was stated that it was necessary to improve the financial system in order to benefit more from FDI, Anyanwu (2011) in his study covering the African region for the period between 1980 and 2007, concluded that the increase in financial development has a negative effect on FDI, Çiftçi and Yıldız (2015) reached the conclusion that the optimistic result of monetary growth on FDI in their study for Turkey using the 1974-2012 period data, Felek et al. (2017) in their study covering Turkey and EU countries in the period of 2005:1-2012:4, they determined that financial development and economic growth do not have an effect on FDI alone, but they both have a positive effect on FDI (Özen and Kıdemli, 2020: 650). Nwosa and Emma-Ebere (2017) examined the relation between FDI and financial development using the 1980-2015 period data for Nigeria in their study, while they found a positive relation between financial market development and FDI in the short run, they found a negative relation in the long run, Wei with deborders (2017) reviewed the organizational influence on FDI in their study on multinational companies for the years 2003-2006, as a result of the study, they found that the financial development of countries directly supports FDI by generally arise the going in to the foreign fund and not direct boosting, Mamingi with Martin (2018) empirically investigated the relation between the FDI with economic growth, using the generalized method of moments (GMM), with annual data covering the period 1988-2013 of 34 countries, in their study, they showed that although FDI has a positive effect on growth, its effect is minimal, Keykanloo (et al.) (2019) reviewed relation with monetary growth besides FDI of the 11 countries in their study covering the period 1990-2014, they found that the variable quantity used for financial development reduce FDI, Saira et al. (2019) examined the relation between FDI and the level of development of the financial market for the years 1994-2016 using the Panel ARDL method in four developing South Asian countries consisting of India, Pakistan and Sri Lanka, Bangladesh, they found a positive relation between FDI and the level of financial market development, Karhan and Akbulut (2019) highlighted effect for monetary growth and financial stability of FDI of 2009-2018 using the ADF Unit Root Test and the stagnation situation using the Rolling Windows Causality and Parameter Estimation Method, they found that financial stability had a positive effect on FDI after 2013.

Shahbaz et al. (2022) examined FDI and financial development for 39 countries for 2000-2019, taking into account the important alternative power aspects request, results of the analysis show balance of FDI with monetary growth via technical with compositional impact, thus request for renewable energy and thus the request for alternative power consumption increase with the progression of economic growth, as can be seen, it has been observed in the literature that studies on the subject are generally concentrated in developing countries, apart from this, there are studies that have found that financial development has a positive effect on FDI, as well as studies that have found that it has a negative effect, when the domestic and foreign literature is examined, some of the studies examining the relation between the financial developments of countries and FDI have examined the effect in one country or the effect in several countries, others have examined the causality relation in one or more countries, as in this study, no study was found that investigated the relation on a large regional sample and within the framework of policy arrangements.

The positive effect of foreign direct capital, especially on the economic activities of developing countries, is a general result observed in the literature (Choong, 2012; İnal and Beşel, 2018), on the other hand, the capital increase realized with the inflow of foreign direct investment to the countries with a high level of financial development positively affects the lending opportunities of banks and other financial intermediaries (Kılınç, 2020),



the foreign direct investments status, especially for the advanced countries that constitute the sample of this study, the findings of the study will give the relevant stakeholders an idea about both concepts, as well as influence of external growth against foreign direct capital is not clear (Nwosa with Emma-Ebere, 2017; Desbordes and Wei, 2017) makes the issue attractive for relevant stakeholders, revealing this relation is important in terms of financial development-real sector interaction.

4. Data and Method

4.1. Data and Methodology

This study examines the relation between diversity of financial instruments and financial development in 39 countries in Asia for 2010-2017, main reason for considering Asian countries in the study is that most of the countries in question are in the category of developing countries, they have been the driving force of global economic growth in recent years and their financial development degrees and backgrounds are close to each other, the list of countries used in the study is in Annex-1, while “foreign direct investment” was used as the dependent variable, “financial development index”, “share of imports of goods and services in total GDP”, “share of public final consumption expenditures in total GDP” and “growth rate of GDP” were used as independent variables, data are from the International Monetary Fund (IMF) and the World Bank.

The financial development index used for financial development in the study consists of normalizing the variables in the literature on multidimensional data reducing were reviewed to a single summary index, collecting normalized variable aspect in sub-indices representing a certain measurement of function, and side files were collected in database last one of World Bank besides IMF, it is created using a three-stage standard approach (Svirydzenka, 2016: 5), existing empirical studies do not take this multidimensional approach into account in constructing the financial development index.

There are many studies in the literature that try to measure the financial development influence on financial development, disparity and economic stability, as well as characteristic of the research monetary growth's approaches of either measures of financial depth: the ratio of private credit or the ratio of GDP criteria and the aspects of the factors doesn't care about the uneasy monetary growth process, Financial Progress Index on developing the catalog, the Financial Development Index summarizes how developed financial institutions and financial markets are in terms of depth, reach and efficiency (Svirydzenka, 2016: 7).

The suggested relied on the differs, Arellano-Bond (1991) via exhausting GMM calculations, GMM measurer transforms Data, removing the stable harm and using lagged values as variables, addressing the issue of endogeneity (intrinsicity), according to Blundell and Bond (1998), the Difference GMM method has low sensitivity in samples with a short time period and high continuity, also we have short time, beside the large sampling bias (Alonso-Borrego and Arellano, 1999: 39), for this reason, the System GMM method developed by Arellano and Bover (1995) and Blundell and Bond (1998) was used in the study, as well as the fact that the error term is associated with the lagged variable of FDI leads to inconsistent estimates, this is another reason to use the GMM Structure, this method reduces the changes in FDI to the lagged values of the relevant variable and to the lagged values of the other independent variables, thus, while the possible bias in samples with a small number of observations is reduced, the asymptotic erroneous measurement associated with difference estimators is also reduced (Ghosh, 2015), this method ignores the unit root and cross-section and obtains the autocorrelation value with AR values, system GMM estimator techniques were applied to determine the robustness of the results and as a solution to the internality problem.

The study highlighted that the fixed effects of the three control variables consisting of lagged dependent variables, openness, GDP and management, were eliminated by using GMM, so that the direct relation between the financial development index and FDI could be examined, because, the effects of control variables, whose effect is not curious but have the potential to affect the indicator measured as a dependent variable, can be controlled by various experimental or statistical techniques.



4.2. Empirical Model

In the study, a total of four independent variables were used, three of which were control variables, and a model was created with these variables, the reason for including control variables in the model is that they are important variables that have the potential to indirectly affect financial development and FDI, the relation between FDI and financial development will be tested with the help of the following model:

$$FDI_{it} = \beta_0 + \beta_1 FDI_{i(t-1)} + \beta_2 FGE_{it} + \beta_3 CLARITY_{it} + \beta_4 MANAGEMENT_{it} + \beta_5 GDP_{it} + \epsilon_{it}$$

Here;

FDI: share of foreign direct investment in total GDP,

FGE: Financial Development Index,

Clarity: sending stuffs with boosts GDP sharing

Management: Share of public final consumption expenditures for GDP

GDP: It is the GDP growth rate

The Opening aspect is often evaluate as the share of exportations and GDP imports. the increase in the degree of openness attracts more FDI into the country due to the thought that FDI is generally directed towards tradable sectors, market size is another determinant of FDI, and GDP or GDP per capita is used as an indicator of market volume, factors such as high income level and large markets that increase domestic demand affect FDI and FDI tends towards high-income countries where demand is high and market volume is large (Bal and Akça, 2016: 94-95), the increase in the weight of the public sector in the economy and the increase in total demand, which is explained by the increase in the ratio of public expenditures to GDP, positively affects FDI, however, if there is an imbalance between public expenditures and public revenues, budget imbalance and budget deficits will occur, budget deficits will increase the public sector borrowing requirement, which will lead to higher interest rates, interest expenditures in the budget will gradually increase, the high level of budget deficit can be accepted as an indication of the ineffective and bad management structure of the public sector, especially in developing countries, this may cause the budget imbalance to become a variable that increases the investment risk and worsens the investment environment by creating macro-level economic and political instability for FDI (Uygur, 2012: 99-101), because investors do not like risk, they prefer countries with less uncertainty (Özcan and Arı, 2010: 70), high inflation will occur if large budget deficits or debts are financed by printing money, high inflation is another indicator of macroeconomic imbalances and uncertainties, with high inflation, policy uncertainty occurs in the economy, the efficiency of the tax system is lost and informal transactions become widespread, therefore, high inflation affects FDI negatively and reduces it (Uygur, 2012: 101), increasing uncertainties and risk with budget imbalances and high inflation cause political instability by destabilizing governments (Topaloğlu and Korkmaz, 2021: 98), countries with political turmoil or where public investment is a threat are considered more risky, which significantly reduces the inflow of foreign direct investment into those countries, on the other hand, in countries with a property right guarantee and political stability, capital inflows are easier with a positive investment environment and the lowest political risk (Schneider and Frey, 1985: 161 of Oransay and Mike, 2016 in 98-99), it is important for the country to have political stability so that the actors in the market, which consists of both domestic and foreign investors, can accurately predict the distant future and therefore make rational plans (Erdoğan, 2012: 66).

5. Findings

In this section, the results obtained the giving study result of the variable quantity, table 1 presents descriptive statistics for FDI and other variables, the share of FDI in countries varies between -2.05 and 2.29, financial development, on the other hand, varies between 0.07 percent and 0.88 percent, the management variable varies between 0.70 and 1.56 percent, and the openness variable varies between -1.18 and 0.31, the control variable GDP, on the other hand, varies between -25.90 and 4.08.



Table 1. Descriptive Statistics

	Average	Maximum	Minimum	Standard Deviation
FDI	0,422693	2,296828	-2,054659	0,550101
FGE	0,358237	0,880000	0,070000	0,194557
GDP	4,692494	20,62560	-25,90717	4,088278
MANAGEMENT	1,125707	1,561556	0,702374	0,172175
CLARITY	1,600092	2,244947	-1,181249	0,314446

Figure 2 shows the table of cross-correlation, as well as ratio in financial development index the negatively related to FDI, the independent variable, the management variable, also shows a negative correlation with FDI, openness and GDP variables are positively related to FDI, the absence of high correlation of the important of variables for variables aspects.

Table 2. Correlations Between Variables

	FDI	FGE	GDP	MANAGE MENT	CLARIT Y
FDI	1,000000				
FGE	-0,082483	1,000000			
GDP	0,180545	-0,065285	1,000000		
MANAGEMENT	-0,208844	0,262967	-0,291107	1,000000	
CLARITY	0,367426	0,079725	-0,058833	-0,001810	1,000000

The relation between FDI and financial development and control variables is given by the results of the system GMM test in Table 3, calculate the impact of the variable quantity, the unimportance of (J) measurement, as called as the check of Sargan, the approval of theory show differ of the quality is good although have trust, during (J) statistics worth of likelihood is meaningless in the established model, the used of independent variables are the important, the reported measure of (p) for (1) of AR and AR(2) are in the two aspects and first difference reckonings autocorrelation.

Table 3. System GMM Estimate Results

Dependent Variable: FDI	
	Coefficient
	P-Probability Value



FDI(-1)	0,437958	0,000***
FGE	-0,039105	0,662
GDP	0,006115	0,000***
MANAGEMENT	-0,339483	0,000***
CLARITY	0,368609	0,143
J testi	7,60	0,269
AR(1)		0,000
AR(2)		0,737

Note: (*), (**) and (***) indicate 10%, 5% and 1% significance, respectively.

According to Table 3, it is seen that no effect of financial development on FDI, this finding is consistent with the findings in the studies of Dutta and Roy (2011) and Jha (2019), the reason why financial development does not have an effect on FDI may be that political stability plays an important role in this context, considering that the countries studied are developing countries, some factors such as the stability of governments, investment profile and socioeconomic status are important for investment, therefore, a relatively developed financial infrastructure may not be sufficient to attract foreign investments if there are political instability in a country.

In the study conducted by Swamy (2015), it was found that the general government portion is last ingesting expenditures in GDP total affects FDI significantly and negatively, as well as the finding that GDP affects FDI significantly and positively, these findings review that increased government spending is important for investors' investment decisions, final consumption expenditures significantly effect of general government in the government's choices copying, that government debt level will be turned on, governments collect debt to support public and investments profitable through public spending (both in physical infrastructures and human resources), the growth size of disturbs gross fixed capital formation the level of government debt, as the government tries to strengthen the budget via fixed capital creation action responsibility to make the economy grow faster, the findings of this study show that this situation is seen as a risk factor for investors and investors withdraw themselves.

6. Conclusion

The Development impact in the study in the development of monetary index of FDI was examined by using the system GMM estimator on 39 Asian countries for the period 2010-2017, using various financial variables, the monetary development determine has no impact on FDI in created model with help of various control variables, Hermes and Lensink (2003), Alfaro et al. (2009) and Nasir et al. (2017) also reached a similar finding in their study, instead, it has been observed that the management variable, which is public expenditures with last measurement of GDP, has an effect on FDI, Alfaro et al. (2009) study, FDI can play an important role in economic growth by increasing productivity rather than capital accumulation, but local conditions are important and can limit the degree of realization of FDI benefits, as well as the growth of economy has an significant role in FDI beside providing protecting the powerful depositors besides cumulative access to direct external finance via monetary growth and the rollijg athorty is keen on easing the globalism with its fixed attracting the extraneous multinational enterprises should take measures to recover admission to external money, FDI can help improve the financial conditions of countries that are at danger of economy making more vulnerable to global monetary tremors (Goldberg, 2009; Cetorelli and Goldberg, 2010), therefore, the strategy of state's development should shaped well-managed around, as well as sufficiently controlled monetary structure beside local foundations in powerful way, more prudent policies can be developed that include removing barriers that prevent local firms from making adequate connections, improving local firms' access to inputs, technology and finance, and regulating procedures for selling, this will maximize the net benefits of financial development for both local and foreign investors, it is



also necessary to improve domestic conditions in order to attract foreign investment, which will have a mutually positive effect and in which host economies can maximize their benefits from such foreign investment, it should be taken into account that this study basically has data and sample limitations, in future studies, different country groups can be considered or the relation between different control variables and financial development index and FDI can be examined.



REFERENCES

- Aban, M. P., & Garcia-Vigonte, F. (2022). A Study on the Effects of Social Spending on Economic Activity. <https://ssrn.com/abstract=4123354> (Accessed on: 6.09.2022).
- Abdul Bahri, E. N., Shaari Md Nor, A. H., Sarmidi, T., & Haji Mohd Nor, N. H. (2019). The role of Financial Development in the Relation Between Foreign Direct Investment and Economic Growth: A Nonlinear Approach. *Review of Pacific Basin Financial Markets and Policies*, 22 (02), 1-32.
- Afşar, A., & Afşar, M. (2010). *Financial economy*. Ankara: Detay Publishing.
- Agarwal, S. (2001). Stock Market Development and Economic Growth: Preliminary Evidence from African Countries. *Journal of Sustainable Development in Africa*, 3 (1), 48-56.
- Ahmed, A. D. (2007). Potential Impact of Financial Reforms on Savings in Botswana: An Empirical Analysis Using a Vecm Approach. *The Journal of Developing Areas*, 41 (1), 203-220.
- Alfaro, L., Kalemli - Ozcan, S., & Sayek, S. (2009). FDI, Productivity and Financial Development. *World Economy*, 32 (1), 111- 135.
- Alfaro, L., Chanda, A., Kalemli-Ozcan S., & Sayek, S. (2004). FDI and Economic Growth: The Role of Local Financial Markets. *Journal of International Economics*, 64 (1), 89-112.
- Alfaro, L., Chanda, A., Kalemli-Ozcan, S., & Sayek, S. (2006). How Does Foreign Direct Investment Promote Economic Growth? Exploring the effects of financial markets on linkages. National Bureau of Economic Research, Working Paper 12522. <http://www.nber.org/Papers/w12522>
- Alonso-Borrego, C., & Arellano, M. (1999). Symmetrically normalized instrumentAL-ARIABLE Estimation Using Panel Data. *Journal of Business & Economic Statistics*, 17 (1), 36-49.
- Arellano, M., & Bover, O. (1995). Another Look at the Instrumental Variable Estimation of Error-Components Models. *Journal of Economics*, 68 (1), 29-51.
- Arellano, M., & Bond, S. (1991). Some tests of Specification for Panel Data: Monte Carlo Evidence and An Application to Employment Equations. *The Review of Economic Studies*, 58 (2), 277-297.
- Aslan, A., Altınöz, B., & Esmeray, M. (2019). The Effect of Financial Development on Foreign Direct Investments: The Case of Türkiye. *International Journal of Economics and Business Administration*, 15 (3), 649-659.
- Aslan, A., Altınöz, B., & Atay Polat, M. (2020). The Nexus Among Climate Change, Economic Growth, Foreign Direct Investments, and Financial Development: New Evidence from N --11 Countries. *Environmental Progress & Sustainable Energy*, 40 (3), 1-9.
- BAL, H., & Akça, E. E. (2016). Determiners of Foreign Capital Investments: Empirical findings from selected East Asia and Pacific countries. *Socioeconomics*, 24 (30), 91-111.
- Balasubramanyam, V. N., Salisu, M. A., & Sapsford, D. (1996). Foreign direct investment and growth in EP and IS countries. *Economics Journal*, 106(434), 92-105.
- Batuo, M., Mlambo, K., & Guidi, F. (2010). Financial development and income inequality: Evidence from African countries. MPRA, Paper No. 25658. https://mpra.ub.uni-muenchen.de/25658/1/MPRA_paper_25658.pdf
- Bilir, L. K., Chor, D., & Manova, K. (2013). Host country financial development and MNC activity, 1-54. Research Collection School Of Economics. https://ink.library.smu.edu.sg/soe_research/953
- Bittencourt, M. (2010). Financial development and inequality: Brazil 1985-99. *Economic Change and Restructuring*, 43(2), 113-130.
- Blonigen, B. A., & Piger, J. (2014). Determinants of foreign direct investment. *Canadian Journal of Economics*, 47(3), 775- 812.



- Blundell, R., & Bond, S. (1998). Initial conditions and moment restrictions in dynamic panel data models. *Journal of Econometrics*, 87(1), 115-143.
- Cetorelli, N., & Goldberg, L. S. (2010). Global banks and international shock transmission: Evidence from the crisis. *IMF Economic Review*, 59(1), 41-76.
- Chletsos, M., & Sintos, A. (2022). Financial development and income inequality: A meta-analysis. *Journal of Economic Surveys*, 1-30.
- Choong, C. (2012). Does domestic financial development enhance the linkages between foreign direct investment and economic growth? *Empirical Economics*, 42(3), 819-834.
- Çelik, İ. E. (2019). The role of financial development level on foreign direct investments: An assessment for fragile five countries. *Marmara University İ.İ.B.F. Magazine*, 41 (1), 65-82.
- Desbordes, R., & Wei, S. J. (2014). The effects of financial development on foreign direct investment. *Policy Research Working Paper, No. 7065, World Bank*.
<https://openknowledge.worldbank.org/handle/10986/20515>
- Desbordes, R., & Wei, S. J. (2017). The effects of financial development on foreign direct investment. *Journal of Development Economics*, 127(C), 153-168.
- Dutta, N., & Roy, S. (2011). Foreign direct investment, financial development and political risks. *The Journal of Developing Areas*, 44(2), 303-327.
- Eicher, T. S., Helfman, L., & Lenkoski, A. (2012). Robust FDI determinants: Bayesian model averaging in the presence of selection bias. *Journal of Macroeconomics*, 34(3), 637-651.
- Ege, İ., & Şahin, S. (2014). Direct Foreign Capital Investment, Labor Foreign Currency and Banking Sector Development: Case of Türkiye. *Finance Political & Economic Comments Journal*, 51 (598), 9-17.
- Ghosh, A., (2015). Banking-industry specific and regional economic determinants of non-performing loans: Evidence from US States. *Journal of Financial Stability*, 20, 93-104.
- Goldberg, L. S. (2009). Understanding banking sector globalization. *IMF Staff Papers*, 56(1), 171-197.
- Erdogan, A. (2012). *Direct Foreign Capital Investments in developing countries and the Case of Türkiye (1st Edition)*. Ankara: Nobel Academic Publishing, November.
- Geise, A., & Pilatowska, M. (2022). Oil (gas) prices and economic activity in selected European countries: Evidence from time and frequency domain causality. Available at SSRN:
<https://ssrn.com/abstract=4190874>
- Görg, H., & Greenaway, D. (2004). Much ado about nothing? Do domestic firms really benefit from foreign direct investment? *World Bank Research Observer*, 19(2), 171-97.
- Hanson, G. H. (2001). Should countries promote foreign direct investment? G-24 Discussion Paper Series No. 9, United Nations Conference on Trade and Development, UN.
- Hermes, N., & Lensink, R. (2003). Foreign direct investment, financial development and economic growth. *The journal of Development Studies*, 40(1), 142-163.
- Hye, Q. M. A. (2011). Financial development index and economic growth: Empirical evidence from India. *The Journal of Risk Finance*, 12(2), 98-111.
- Hye, Q. M. A., & Islam, F. (2013). Does financial development hamper economic growth: Empirical evidence from Bangladesh. *Journal of Business Economics and Management*, 14(3), 558-582.
- İnal, V., & Beşel, F. (2018). Causality Analysis of Foreign Foreign Investment-Financial Development-Economic Growth Relations. 5. International Political, Economic and Social Research Congress, 2 (2), 165-171.
- Jha, C. K. (2019). Financial reforms and corruption: Evidence using GMM estimation. *International Review of Economics & Finance*, 62, 66-78.



- Karhan, G., & Akbulut, V. (2019). Evidence for the relation between financial development, financial stability and foreign direct investments. *Journal of Business Research-Türk*, 11(1), 227-238.
- Keykanloo, M., Hosseini, S., Emami Jazeh, K., & Askari, A. (2019). The effect of financial development on foreign direct investment. *Iranian Economic Review*, 24(4), 885-906.
- Klein, P. O., & Turk-Ariss, R. (2022). Bank capital and economic activity. *Journal of Financial Stability*, 62, 101068.
- Kılınç, E. C. (2020). The relation between direct foreign capital inflows with financial development and commercial clarity: The Case of E7 Countries. *Aksaray University İ.İ.B.F. Journal*, 12 (2), 45-54.
- Kim, G., & Vera, D. (2022). The effect of oil price fluctuation on the economy: What can we learn from alternative models? *Journal of Applied Economics*, 25(1), 856-877.
- Levine, R. (2005). Finance and growth: Theory and evidence. In: P. Aghion & S. Durlauf (Eds.), *Handbook of economic growth* (1th Edition), 1(12), 865-934.
- Louail, B., & Zouita, M. S. (2021). The relation between foreign direct investment, financial development and growth economic in Next-11 countries: A PMG/ARDL estimation. *Management*, 25(1), 28-50.
- Mamingi, N., & Martin, K. (2018). Foreign direct investment and growth in developing countries: Evidence from the countries of the organization of Eastern Caribbean States. *CEPAL Review*, 124, 79-98.
- Moran, T. (2011). *Foreign direct investment and development: Re-evaluating policies for developed and developing countries*. Washington D.C.: Peterson Institute for International Economics.
- Navaretti, G. B., & Venables, A. J. (2005). *Multinational firms in the world economy*. Princeton: Princeton University Press.
- Nasir, N. M., Rehman, M. Z., & Ali, N. (2017). Foreign direct investment, financial development and economic growth. *International Journal of Financial Research*, 8(4), 228-239.
- Nwosa, P. I., & Emma-Ebere, O. O. (2017). The impact of financial development on foreign direct investment in Nigeria. *Journal of Management and Social Sciences*, 6(1), 181-197.
- ORISAY, G., & Mike, F. (2016). An analysis on socio-political determinants of foreign direct investments. *Journal of Academic Research and Studies*, 8 (14), 97-107.
- Onyekachukwu, N., & Samuel, W. O. (2022). The Impact of Rural Financial Incusion on Economic Growth in Nigeria: 1990- 2016. *African Journal of Business and Economic Development*, 2 (7), 79-90.
- Son, B. (2022). Examination of the effect of financial development on tax revenues in Turkey with time series analysis. *Kahramanmaraş Sütçü Imam University Journal of Social Sciences*, 19 (2), 967-979.
- Özcan B., & Arı, A. (2010). Analysis on the determinants of foreign direct investments: OECD Case, *Istanbul University Faculty of Economics and Statistics Journal*, 0 (12), 65-88.
- Özen, A., & Senior, M. (2020). An econometric analysis on the determinants of foreign direct investments in Turkey. *Journal of Economics, Politics & Finance Research*, 5 (3), 643-666.
- Ozturk, Ö. F., & Bayar, Y. (2021). Analysis of the Interaction between Foreign Capital Investments, Economic Growth, Employment and Financial Development: Example of OECD countries. *Journal of Human and Social Sciences Research*, 10 (3), 2582-602.
- Saira, A., Kashif, M., & Hadeeqa, N. (2019). Relation between foreign direct investment & financial market development - Evidence from South Asian markets. *Journal of Independent Studies and Research Management and Social Sciences and Economics*, 17(2), 53-66.
- Séraphin, P. Y., & Cyrille, K. K. (2022). Nonlinear effect of financial development on income inequality: The case of Ivory Coast. *International Journal of Business and Management*, 17(6), 57-74.
- Schneider, F., & Frey, B. S. (1985). Economic and political determinants of foreign direct investment, *World Development*, 13(2), 161-175.



- Shahbaz, M., Sinha, A., Raghutla, C., & Vo, X. V. (2022). Decomposing scale and technique effects of financial development and foreign direct investment on renewable energy consumption. *Energy*, 238(PB), 121758.
- Singh, T. (2022). Do terms of trade affect economic growth? Robust evidence from India. *Economics of Transition and Institutional Change*, 1-31.
- Swamy, V. (2015). Government debt and its macroeconomic determinants: An empirical investigation. MPRA Paper 64106, University Library of Munich, Germany.
- Svirydzenka, K. (2016). Introducing a new broad-based index of financial development. International Monetary Fund, Working Paper No. 2016/005. <https://ssrn.com/abstract=2754950b> (Erişim Tarihi: 5.06.2022).
- Topaloglu, E. E., & Korkmaz, T. (2021). The impact of political risk on foreign direct investments and share market index returns: An application on G7 countries. *Journal of Productivity*, 1, 97-115.
- Uygur, E. (2012). Waiting for foreign investment. Discussion Paper, No. 2012/55, Turkish Economic Association, Ankara

Appendix

Appendix-1: List of Countries Analyzed

Tunisia, Iran, Oman
Azerbaijan, Japan, Pakistan, Philippines
Bahrain, Jordan, Qatar, Saudi Arabia,
Bangladesh, Kazakhstan, Singapore, Tajikistan,
Bhutan, Kuwait, Thailand, East, Timor,
Brunei, Kyrgyzstan, Turkey, Turkmenistan,
Cambodia, Lebanon, B. Arab Emirates,, Uzbekistan
China, Malaysia, Vietnam, Myanmar,
Cyprus, Maldives, Indonesia, Nepal,
Georgia, Mongolia, India and Armenia