

Investment Concepts Introduction to Children through Interactive Videos and Games

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ABSTRACT

Children will almost certainly need to make investment decisions at some point in their adulthood, no matter their financial status, so they need to learn about investment concepts from a young age to make the right decisions as adults later in life. The community service program's purpose was to introduce children to investment concepts and knowledge. It was intended for students at Madrasah Diniyah Nurriyatul Ulum in Pedak Village, Sulang District, Rembang Regency. The school curriculum had not introduced much, let alone taught about investment concepts. The student's knowledge of investment concepts and knowledge was insufficient. The program offered was aimed at teaching the students about investment concepts and knowledge designed for fifth-grade students. It employed interactive videos and games to improve their soft skills.

KEYWORDS

Investment concept;
Child;
Learning;
Interactive videos;
Game



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1. Introduction

Education is a critical investment in a child's future. It is not only moral and academic education required, but also financial management education, including knowledge and investment concepts. Regardless of their financial situation, children will almost certainly need to make investment decisions at some point when they grow up, so they must learn about investment concepts at a young age to make the right decision later in life. Investment is the activity of investing funds to be developed over a predetermined time in the future to earn a profit. Investment is also one of the conditions for improving the country's economy. So it is appropriate for us to prepare the knowledge and skills of future generations by introducing the concept of investment to children. Investment can lead to economic freedom, as Tag's investigation on economic freedom and foreign direct investment [1]. It can affect many things, as written by Long in his research on the asymmetric impact of economic policy uncertainty, capital costs, and raw material costs on Chinese investment [2]. How much does economic uncertainty influence tourism investment? Demir examined evidence from OECD and non-OECD economies [3]. Xu, other than Tag, also investigated economic freedom, but he analyzed bilateral direct investment [4]. Hao studied the dynamic relationship between energy consumption, investment, and economic growth in rural China using provincial panel data [5].

The effect and sustainability of an investment researched by Djellouli was the impact of nonrenewable energy, renewable energy, economic growth, and foreign direct investment on the sustainability of African countries [6]. Evidence from Chinese listed companies in the energy and electricity industries, F. Hou revealed uncertainty in economic policies, inefficient marketing, and low enterprise investment levels [7]. Is there a difference in the impact of economic policy uncertainty on traditional and renewable energy investment? Liu carried out a comparative study based on regulatory effects [8]. The effects of economic openness and R&D investment on China's green economic growth were investigated by Song [9]. Li analyzed the impact of government highway investment on local economic outcomes in the post-highway era [10]. Mikuli investigated the economic and regional impact of building energy efficiency investments [11]. Various transportation investment pathways to promote economic growth in China were reviewed by Lin from the perspective of structural equation modeling [12]. The impact of economic policy uncertainty on outward foreign direct investment was analyzed by

Hsieh [13]. According to Kumari, there is a causal relationship between electricity consumption, foreign direct investment, and economic growth in India [14].

Other research as literature sources is economic disintegration in North America and Japanese direct investment by Hosoe [15]. The China-Europe railway, investment heterogeneity, and the quality of urban economic growth by Wong [16]. The economic viability and regulatory effects of infrastructure investment in China for electricity transmission and trade between regions by Xu [17]. Economic financialization leads to the alienation of Chinese firms' investment behavior by Zheng [18]. The economic and environmental value of R&D investment in the renewable energy sector in South Korea by Sim [19]. The impact of China's R&D subsidies on R&D investment, technological advancement, and economic growth by Boeing [20]. The sensitivity of investment to the share price of partners is affected by the uncertainty of economic policy by Vo [21]. Do small-scale port investments have an impact on local economic activity? Karimah examined the evidence from the development of small ports in Indonesia [22]. Ji investigated the energy and economic impacts of China's 2016 economic investment plan for transportation infrastructure development [23]. Rokicki studied an accessibility-based approach to major transportation infrastructure investment and regional economic development [24].

Matsumoto investigated the accumulation of foreign exchange reserves, foreign direct investment, and economic growth [25]. Alotaibi analyzed transportation investment, railway accessibility, and their dynamic impact on regional economic growth [26]. Zou scrutinized the housing environment, capital investment, and economic integration of migrants in Chinese cities [27]. An energy-based economic analysis methodology that incorporates safety investment costs for comparative evaluation in process plant design was dissected by Noh [28]. Based on the technical assessment, economic feasibility, and risk, Bouhal analyzed investment in solar heating and cooling systems in Moroccan residential buildings [29]. Does peer pressure influence a company's innovative investments? Xiao examined the evidence from China [30]. In his research, He analyzed institutional conditions, economic policy uncertainty, and foreign institutional investment in China [31]. Is increased investment in R&D driving economic growth independently of increases in carbon emissions? Wang conducted an empirical analysis of the BRICS countries [32]. Haramaini analyzed PV distributed generation investment based on the optimal capacity for electricity loss reduction [33]. Makun conducted an empirical analysis of imports, remittances, foreign direct investment, and economic growth in the Republic of the Fiji Islands using the ARDL approach [34].

Huang analyzed the staging of venture capital in the face of economic policy uncertainty [35]. Based on a fuzzy TOPSIS approach, Afrane studied the techno-economic feasibility of waste-to-energy technologies for investment in Ghana using a multi-criteria assessment [36]. Is more financial development better for economic growth and foreign direct investment? Osei [answered this question [37]. Nasir examined the role of financial development, economic growth, and foreign direct investment in promoting climate change [38]. Salci proposed a framework for assessing the economic and environmental benefits of investments in transmission line rehabilitation [39]. The impact of monetary and fiscal policy shocks on domestic investment in China was investigated by Min [40]. Based on the economic Policy's Impact and Uncertainty in Numismatic Asset Investment, Paule-Vianez Investigated the Walking Liberty Half Dollar [41]. There are dynamic linkages between transportation, logistics, foreign direct investment, and economic growth, as researched by Saidi using empirical evidence from developing countries [42]. Adewuyi investigated optimal utility-scale solar PV investment planning with limited security for weak grids [43]. Shields conducted an inter-professional economic analysis and found that physiotherapy education is a good financial investment up to a certain level of student debt [44].

Viewed from inequality and investment, Melki examined the role of institutions [45]. The investment decision in distributed renewable energy, according to Li, needs to consider the economic performance and environmental impact of the life cycle [46]. The empirical relationship between exchange rates and foreign direct investment in Pakistan under the China-Pakistan Economic Corridor Project was studied by Degong [47]. Hanif examined some empirical evidence on how fossil fuels, foreign direct investment, and economic growth have fueled CO₂ emissions in developing Asian countries [48]. By looking at the

big picture of IS investment valuation through the lens of systems theory, Oesterreich investigated the economic impact of BIM [49].

Madrasah Diniyah Nurriyatul Ulum is an religious-based educational institution, and one of its goals is to produce a quality Islamic generation. This madrasah is located in Pedak Village, Sulang District, Rembang Regency. It was founded because of the concern of the founder, who observed the environment around his village, which lacked religious education. Soft skills and knowledge are necessary for achieving educational goals in addition to religious education. The problem faced by the school is that the curriculum implemented in madrasahs does not yet incorporate investment concepts and knowledge into it. Other issues include children's lack of understanding of investment concepts and knowledge. Based on those issues, the community service team contributes to community service activities to help introduce the concept of investment to children as an additional soft skill for them in the future.

2. Method

The PRA (participatory rural appraisal) method was used to solve the problem. The service implementation team invited the school to take a more active role in efforts to improve the process of mentoring, learning, and transferring knowledge to students through this method. This program's implementation includes several stages, which include identifying the Issue, conducted by interviews and observations, needs analysis to determine what program plan partners require, programming designed to be effective and on target by focusing on partner problems, and finally, implementation of the program using teaching-learning activities, accompanied by interactive videos and games, to ensure that children are engaged.

3. Results and Discussion

The community service activity was carried out on Saturday, September 26, 2020, at the Madrasah Diniyah Nurriyatul Ulum, located in Pedak Village in Sulang District, Rembang Regency, Central Java. This activity involved 15 fifth-grade students and their homeroom teacher. The training activities carried out include:

1. Learning through lectures and discussions

Figure 1 shows the learning of investment concept knowledge, in which the students are given insight into the importance of knowledge of investment concepts and knowledge through lectures. Several points communicated the advantages and risks of investing in stocks, mutual fund bonds, and many others, such as increasing and decreasing the price or value of an item; for example, productive assets include gold, knowledge, land, houses, stocks, and bonds. In addition, students were invited to discuss and answer questions interspersed with examples of stories to keep them interested in listening

2. Transfer of knowledge and investment concepts through interactive videos and games

Figure 2 depicts the provision of learning materials by listening to the material via videos and games. The figure shows how investment concepts are introduced through stories in videos. The video explains the concept of investing using simple examples that children can understand: Investment is the purchase of productive assets for future profits. Games were interspersed with explanations of what investing entails. Children are taught that investing is similar to planting trees in that the longer and higher the investment, the more money we will make. Children understood the concept through the video's examples and children's stories. There was also a significant increase in the posttest results when compared to the pretest, indicating that students understood the information provided.



Fig. 1. Learning Knowledge of Investment Concepts



Fig. 2. Interactive Game and Video Method

3. Mentoring

Figure 3 depicts the mentoring process used in community service. The assistance provided in this community service activity was to deepen the material by providing games and making several student crafts on the theme of investment concepts.



Fig. 3. Mentoring

4. Conclusion

The implementation of this community service activity is intended to introduce children or students to the concept of investment. Children at Madrasah Diniyah Nurriyatul Ulum in Pedak Village have understood investment concepts after following community service activities. It will increase knowledge, skills, and soft skills for children in the future so that the economic welfare of the community in the future can be prepared and formed as early as possible.

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