



ROLE OF SIAP JATENG WEBSITE PREPARING CASHFLOW FEASIBILITY STUDIES AT CV SINERGI KARYA SOLUTIF

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Abstract

Cashflow Feasibility Study is the analysis of projected cash flows for an investment project in order to assess the financial viability of the project. This analysis involves the identification and calculation of all cash inflows and outflows associated with an investment project over a specified period of time. The preparation of Cashflow Feasibility Study is a crucial stage in investment planning, especially in the mining sector which involves the complexity of licensing and regulation. To facilitate the acquisition of licenses in mining activities, CV Sinergi Karya Solutif uses the SIAP Jateng (*Sistem Informasi Aplikasi Perizinan Jawa Tengah*) website. This website is an online platform managed by the Central Java Government to facilitate the licensing and investment process in the Central Java region. This article aims to analyze the role of the SIAP Jateng website in facilitating the process of preparing the Cashflow Feasibility Study of the client's business CV Sinergi Karya Solutif, which is a consulting company in mining and project management. The data obtained is collected through interviews with relevant parties at CV Sinergi Karya Solutif, as well as direct practice in making the Cashflow Feasibility Study. The collected data is analyzed to identify existing problems and formulate improvement solutions. The results of this analysis show that the SIAP Jateng website has a significant role in providing important information related to licensing, regulation, and investment opportunities in the mining sector in Central Java. However, the SIAP Jateng website has several obstacles that can hinder its role in preparing Cashflow Feasibility Study such as the provision of incomplete or less specific data, the absence of analysis features, and frequent server downs or unscheduled maintenance.

Keywords: licensing, feasibility study, SIAP Jateng

Abstrak

Cashflow Studi Kelayakan adalah analisis aliran kas yang di proyeksikan untuk suatu proyek investasi dalam rangka menilai kelayakan finansial proyek. Analisis ini melibatkan identifikasi dan perhitungan semua arus kas masuk dan arus kas keluar yang terkait dengan proyek investasi selama periode waktu tertentu. Penyusunan

Cashflow Studi Kelayakan merupakan tahapan krusial dalam perencanaan investasi, terutama dalam sektor pertambangan yang melibatkan kompleksitas perizinan dan regulasi. Untuk mempermudah perolehan izin dalam kegiatan pertambangan, CV Sinergi Karya Solutif menggunakan Website SIAP Jateng (Sistem Informasi Aplikasi Perizinan Jawa Tengah). Website ini merupakan platform online yang dikelola Pemerintah Jawa Tengah untuk memfasilitasi proses perizinan dan investasi di wilayah Jawa Tengah. Artikel ini bertujuan untuk menganalisis peran Website SIAP Jateng dalam memfasilitasi proses penyusunan Cashflow Studi Kelayakan bisnis klien CV Sinergi Karya Solutif, yang merupakan sebuah perusahaan konsultan dalam bidang pertambangan dan manajemen proyek. Data-data yang didapatkan dikumpulkan melalui wawancara dengan pihak-pihak terkait di CV Sinergi Karya Solutif, serta praktek langsung dalam pembuatan Cashflow Studi Kelayakan. Data yang terkumpul dianalisis untuk mengidentifikasi permasalahan yang ada dan merumuskan solusi perbaikan. Hasil dari analisis ini menunjukkan bahwa Website SIAP Jateng memiliki peran signifikan dalam menyediakan informasi penting terkait perizinan, regulasi, dan peluang investasi di sektor pertambangan di Jawa Tengah. Namun, Website SIAP Jateng memiliki beberapa kendala yang dapat menghambat perannya dalam penyusunan Cashflow Studi Kelayakan seperti penyediaan data yang tidak lengkap atau kurang spesifik, tidak adanya fitur analisis, dan sering terjadi server down atau maintenance yang tidak terjadwal.

Kata Kunci: perizinan, studi kelayakan, SIAP Jateng

A. INTRODUCTION

In the era of globalization and increasingly fierce business competition, making the right investment decision is the key to a company's success. One of the important tools in making investment decisions is a Cashflow Feasibility Study, which aims to evaluate the feasibility of an investment project from various aspects, including financial aspects. In a financial feasibility study, cashflow is a very important component. Cashflow, which describes the projected cash inflows and outflows over a certain period of time, is used to calculate financial feasibility indicators such as Net Present Value (NPV), Internal Rate of Return (IRR), and Payback Period (PBP). (Internasional, 2022). Cashflow Feasibility Study preparation is often faced with challenges of complexity and

inefficiency, especially in the context of permits and regulations. Complicated and time consuming licensing processes can affect project timelines and investment costs, ultimately impacting cashflow.

CV Sinergi Karya Solutif, as a consulting company engaged in mining and project management in Central Java, faced challenges in preparing the Cashflow Feasibility Study, especially related to licensing and regulations. The complexity of the licensing process and the lack of adequate regulatory information can hinder the efficiency and accuracy of cashflow preparation. By using the SIAP Jateng website, the preparation of the Cashflow Feasibility Study at CV Sinergi Karya Solutif becomes more accurate and comprehensive, thus supporting better investment decision making. The SIAP



Jateng (*Sistem Informasi Aplikasi Perizinan Jawa Tengah*) website is a platform developed by the Central Java Provincial Government to facilitate the licensing process electronically. (Jawa Tengah, 2024). However, in its use the SIAP Jateng website has several obstacles in the process of preparing the Cashflow Feasibility Study such as the provision of incomplete or less specific data, the absence of analysis features, and frequent server down or unscheduled maintenance.

To overcome these problems, this article discusses the solutions that can be done on the SIAP Jateng website to facilitate the preparation of a more accurate and comprehensive Cashflow Feasibility Study. Solutions that can be

B. IMPLEMENTATION AND METHODS

The Freedom of Learning Independent Campus (*Merdeka Belajar Kampus Merdeka or MBKM*) at CV Sinergi Karya Solutif provides an opportunity to apply the accounting knowledge gained during the lecture process. CV Sinergi Karya Solutif is a consulting company engaged in mining and project management that operates at the regional and national levels. By doing an internship at CV Sinergi Karya Solutif, students are expected to identify the real challenges faced by mining companies in accounting and finance, this can spark their interest in knowing more about this industry. The internship took place from August 12, 2024 to November 29, 2024 at the CV Sinergi Karya Solutif office located at Jalan Melati No 53, Karanggintung Village, Sumbang District, Banyumas Regency.

The method of internship at CV Sinergi Karya Solutif students conduct direct practice and interviews with operational managers and related parties in the preparation of the Cashflow

applied such as, Regular data updates to ensure the data presented are always relevant and reflect the latest conditions, the Central Java SIAP Website needs to be equipped with qualified feasibility analysis features, including calculations such as Net Present Value (NPV), Internal Rate of Return (IRR), and Payback Period (PBP), besides that periodic checks and providing scheduled maintenance notifications are practices to ensure the SIAP Jateng website is functioning properly. By implementing these solutions comprehensively, the SIAP Jateng website can be a better and more useful source of information and tools in supporting the preparation of the Cashflow Feasibility Study.

Feasibility Study belonging to the client CV Sinergi Karya Solutif. The preparation of the Cashflow Feasibility Study begins with identifying and collecting relevant data, such as market data, technical data, financial data, and other data related to the investment project. Next, cash inflow projections are made which include sales revenue, other income, and residual value of the project, as well as cash outflows which include initial investment costs, operating costs, maintenance costs, taxes, and other costs. These cashflow projections are usually made for a certain period of time, such as 5 years, 6 years, or 12 years, depending on the limit of the proposed Mining Business License (MBL). After the cashflow projection is completed, a financial feasibility analysis is conducted by calculating indicators such as Net Present Value (NPV), Internal Rate of Return (IRR), and Payback Period (PBP). The results of these calculations are compared with the predetermined feasibility criteria to determine whether the investment project is feasible or not. Finally, the entire process and results of the analysis are documented in a

feasibility study report, which will serve as the basis for investment decision making.

C. RESULTS DAN DISCUSSION

Implementation of the SIAP Jateng website in the preparation of the Cashflow Feasibility Study at CV Sinergi Karya Solutif, provides convenience by accelerating the licensing process needed, so that clients can immediately start their business. Here's how to use the SIAP Jateng website in obtaining licenses. First, visit the SIAP Jateng website via

<https://perizinan.jatengprov.go.id/>.

Second, register or login to an account, after successfully logging in or creating an account, then select the type of license needed such as a Mining Business License (MBL), Community Mining License (CML), or other types of licenses. Fourth, find information on the requirements needed to obtain the license. Fifth, download the form and fill in the data and upload the required documents. After submitting a license application, it is necessary to wait for the verification process from the Central Java Investment and One-Stop Service Office (*Dinas Penanaman Modal dan Pelayanan Satu Pintu Jawa Tengah*). This process usually takes a maximum of 15 working days, if the license application is approved, you will receive a notification via email, sms, or can see the status of the license application on the SIAP Jateng website. Sixth, after the license application is approved, the license can be directly downloaded through the SIAP Jateng website.

The following is the flow of obtaining permits at CV Sinergi Karya Solutif in assisting clients who want to establish a business in the mining sector.

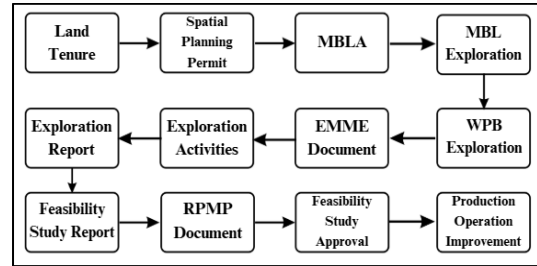


Image 1. Mining License Flow

The mining business licensing process begins with ensuring land status and obtaining a Spatial Planning Permit (SPP). Next, a Mining Business License Area (MBLA) is submitted to the Energy and Mineral Resources Agency (*Dinas Energi dan Sumber Daya Mineral*) to claim ownership of the mining area. After MBLA is approved, proceed with the submission of Exploration Mining Business License (MBL), which allows exploration activities for 3 years and a maximum of 1 extension. The next stage is the submission of approval for the issuance of the MBL Exploration, making Work Plan and Budget (WPB), and as well as the submission of Environmental Management and Monitoring Efforts (EMME) documents. Then exploration activities are carried out which include mapping, surveying, sampling, and environmental monitoring. Exploration results are reported in an exploration report document. Then a feasibility study document is made to determine the economic and technical feasibility of the mining business, as well as a Reclamation and Post-Mining Plan document (RPMP). All documents are uploaded through the SIAP Jateng website to obtain licenses. After all documents are approved, the process continues to the production operation stage.

Several indicators that become a reference in assessing the success of implementing solutions to improve the role of the SIAP Jateng website in preparing the Cashflow Feasibility Study, including:

1. Efficiency of Using Analysis Features on the SIAP Jateng Website

Before the analysis feature on the SIAP Jateng website, the preparation of the Cashflow Feasibility Study was done manually or using simple tools such as excel. This process is often time consuming, and prone to calculation errors. As a result, entrepreneurs or investors may have difficulty in making the right decision regarding the feasibility of the project or business being analyzed. However, after the analysis feature on the SIAP Jateng website, the preparation of the Cashflow Feasibility Study becomes easier, faster, and more accurate. This feature allows users to enter project or business financial data, and automatically generate a comprehensive cashflow report. Users can prepare the Cashflow Feasibility Study faster than before, and reduce the risk of calculation errors in preparing the Cashflow Feasibility Study.

2. Periodic Information Update on the SIAP Jateng Website

Before the implementation of regular information updates, the data presented on the SIAP Jateng website was incomplete, or the data presented was no longer relevant to current conditions. So that users have to look for information from other sources or contact the relevant agencies directly. This can lead to wrong or ineffective decision making. Then, after the implementation of regular data updates, the data presented is always in the latest conditions, so users no longer need to look for information from other sources.

3. SIAP Jateng Website User Satisfaction

The SIAP Jateng website

often experiences server down and unscheduled maintenance, especially during working hours. So that many complaints from users including CV Sinergi Karya Solutif, because they have difficulty accessing the website, slow loading, and other technical errors. This also disrupts productivity in the preparation of the Cashflow Feasibility Study. After implementing regular website checks and notifications when maintenance will be carried out, it makes the SIAP Jateng website more stable and rarely experiences server downtime. Therefore, increasing user productivity in preparing the Cashflow Feasibility Study.

The implementation of solutions in increasing the role of the Central Java SIAP Website in the preparation of the Feasibility Study Cashflow, there are several significant driving factors, including:

1. Support from users of the SIAP Jateng Website

In the context of investment and business development, the availability of accurate, relevant and easily accessible information is a crucial factor in decision making. The users of the SIAP Jateng website, as interested parties, support the application of the feasibility analysis feature as a solution to facilitate the preparation of the Cashflow Feasibility Study. This is expected to increase the efficiency and effectiveness of the analysis process, as well as reduce calculation errors, resulting in more precise and accurate decisions.

2. Support of All Related Institution on Licensing Process in SIAP Jateng Website

The data and information displayed on the SIAP Jateng website come from government

agencies that have competence and responsibility in their respective fields. For example, economic and demographic data comes from the Central Board of Statistics (*Badan Pusat Statistik*), licensing data from the One-Stop Investment and Integrated Service Office (*Dinas Penanaman Modal dan Pelayanan Terpadu Satu Pintu*), and spatial information from the Department of Public Works, Spatial Planning, Housing and Settlement Areas (*Dinas Pekerjaan Umum, Penataan Ruang, Perumahan dan Kawasan Permukiman*). Support from relevant agencies in providing the latest data or information is very important to encourage the implementation of regular data updates on the SIAP Jateng website.

3. Responsive Website Management Team

Transparent and responsive communication will increase user confidence in the SIAP Jateng Website. For example, users will always get the latest information related to the website, including maintenance schedules and their potential impact. A website management team that is responsive to user questions or complaints, whether through email, social media, or other communication channels, can increase the superiority of the SIAP Jateng Website.

In addition to the driving factors, there are several inhibiting factors in implementing solutions to increase the role of the SIAP Jateng website in preparing the Cashflow Feasibility Study, such as:

1. Budget Limitations

The development of sophisticated analytical features, and regular maintenance of the website requires significant investment in

software, and hardware. Collecting, processing, and publishing complete and quality data also costs money. Therefore, all solutions offered have budget limitations in their implementation. Therefore, it is necessary to make a special budget for website development and maintenance in the annual budget plan, or by looking for alternative funding sources, such as grants or cooperation with private parties.

2. Limited Human Resources

The SIAP Jateng website management team requires training or additional experts to manage and maintain the analysis features, as well as to perform website maintenance. The relevant agencies also lack competent staff to manage and provide data. The lack of experts in the field of data and information technology can be an obstacle in implementing the solutions offered. Therefore, both relevant agencies and website managers need to increase the capacity of human resources in the field of data and information technology through training and recruitment.

D. CLOSING

1. Conclusion

The role of the SIAP Jateng website in the preparation of the Cashflow Feasibility Study is to simplify the licensing process required in the mining process from the acquisition of Spatial Planning Permit (SPP), Mining Business License Area (MBLA) submission, approval of Mining Business License (MBL) issuance, MBL Exploration, Environmental Management and Monitoring Efforts (EMME) documents submission, to the production operation stage.

However, on the SIAP Jateng website there are still obstacles such as the provision of incomplete or less specific data, the absence of analysis features, and frequent server downs or unscheduled maintenance. This greatly affects the preparation of the Cashflow Feasibility Study at CV Sinergi Karya Solutif. To overcome these obstacles, it is necessary to add feasibility analysis features to the SIAP Jateng website, update data regularly, and overcome server down problems and unscheduled maintenance.

The success of the implementation of this solution is measured by supporting factors which include the support of website users, related agencies, and a responsive website management team. However, there are also inhibiting factors such as budget constraints and limited human resources for website development and maintenance. All inhibitors or obstacles must be minimized to increase the role of the SIAP Jateng website in the preparation of the Cashflow Feasibility Study.

2. Suggestion

To optimize the role and benefits of the SIAP Jateng

website in facilitating the preparation of the Cashflow Feasibility Study, there are several improvements that need to be implemented, such as the development of feasibility analysis features that are integrated directly into the platform will provide convenience for users in making financial projections. In addition, regular data updates are very important to ensure that the information available is always relevant and accurate. Finally, technical issues such as server downtime and unexpected maintenance schedules need to be addressed to maintain smooth access and increase user satisfaction. With these improvements, the SIAP Jateng website will become a much more reliable and efficient resource for businesses and investors.

E. REFERENCES

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