ABSTRACT
Arabica Web Solutions is a web development of start-up company that focuses on the coffee industry. The writers chose to establish the start-up because of the advancement of technology and the digitalization of businesses in the modern era which plays a crucial role when it comes to marketing. By seeking through Arabica Web Solution’s business qualification record and potential, Arabica Web Solutions have surfaced to be a worthwhile start-up company to raise. For this reason, the authors wish Arabica Web Solutions to have an impactful future in the web development industry as well as the coffee industry.

Keywords: Start-Up, Arabica Web Solutions, Web Development, Coffee industry.

1. INTRODUCTION
A start-up is an organization designed to find a suitable business model to generate rapid development [1]. Start-ups in Indonesia are ranked sixth with 1,939 start-ups, and based on predictions about the number of digital-based start-ups that will appear in 2020 in Indonesia, and there are as many as 13,000 start-ups [2]. This increase in the number of start-ups is also due to support from the government, for example, by forming the National 1,000 Start-Up Movement through the Ministry of Communication and Information in collaboration with a company to build a digital ecosystem in Indonesia called KIBAR, explicitly aiming to realize Indonesia’s potential to become The Digital Energy of Asia in 2020 by printing 1,000 start-ups that will be solutions to various problems by utilizing digital technology [3].

One of the start-ups is Arabica Web Solutions, which is a web development of start-up company that focuses on the coffee industry.

Arabica Web Solutions specializes in producing data-driven websites that create web designs that uncover the true coffee business identity and what you offer to coffee connoisseurs.

Based on the growing digital marketing [5], the Arabica Web Solution formation is intended for the coffee industry, including coffee shops, roasters, distributors, farmers, etc. These companies would proceed with multiple benefits such as marketing, a boost in sales, analytics for future predictions, and many more.

This start-up has made business predictions for three years, namely 2021, 2022, and 2023. To determine the feasibility of this start-up, we will analyze it using several indicators, including the payback period and NPV (Net Present Value). We will also analyze profit using BEP (Break-even point) analysis.
2. BUSINESS DESCRIPTION

2.1. Vision, Mission, and Objectives

Our vision is to help coffee businesses grow and expand through digital marketing. Our Mission is to provide accessible and streamlined web services to the coffee business, offering responsive, appealing, and secure web service by technology experts and giving the best service to clients. Our business aims to allow customers to visualize their image on their websites and give high-quality web development services for customers.

2.2. From a Business Idea to the Business Description

Arabica Web Solutions is a business idea of which it offers web development services to coffee businesses. The business services include web design in which content marketing and development is carried out. These e-commerce services focus on digital marketing, data analysis, marketing automation, and website securing and hosting. The company utilizes Cloud to perform its services securely and well-organized through an integrated system. This business aims to help small coffee businesses such as local coffee shops boost their sales through digital marketing; a simple way to elaborate this is that these companies will be seen more in online advertisement. That way, these small-scale businesses would expand their market and can keep up with the modern trend. In addition, Arabica Web Solutions’ data-driven basis would also help these companies explore new opportunities in the coffee industry sector.

The company is run by experts with a software development background, in which there are three permanent directors, and the best developers from across Indonesia are hired through contract work. The company projects its promotion to be done through online platforms such as social media and other professional services such as LinkedIn and Upwork. Since the company uses Cloud and an online system, it is run remotely for its initial years.

3. MARKETING ASPECT

3.1. Market Segment, Target Market, and Positioning

3.1.1. Segmentation

1) Geographic

Arabica Web Solutions operates as an online business where most of its work is done remotely. The business has yet to have a wide variety of clients; therefore, the company is focusing on Bandung’s coffee shop and roasting business market.

2) Demographic

Technically, Arabica Web Solutions offers its services to all levels of the coffee business, however, as of now, we are focusing on small market coffee businesses that need digital marketing.

3) Psychographic

Arabica Web Solutions suits best for small coffee companies that have become successful in their local market and in seek of aid for an affordable web agency that would boost their marketing.

3.1.2. Targeting

The target market for Arabica Web Solutions is mainly for small coffee business that has become successful in their local market and in seeks of aid for an affordable web agency that would boost their marketing.

3.1.3. Positioning

Arabica Web Solutions aims to produce the best quality services in building web solutions for clients compared to other companies. We put customer’s visualization of the website and integrate with our high-quality design and security to build the web system.

3.2 Supply and Demand Forecast

3.2.1. Estimated Demand

There is a spike increase in coffee trends around Bandung in this era. This does not only specify coffee shops but also coffee roasters and coffee processing companies in which the upgoing trend is in seek of continuous marketing along the way. Therefore, when it comes to providing a good website that offers design and interactive features, mobile innovation, and optimum security, we would ensure that clients would be grateful for our web services. The table below shows the Demand Forecast.

<table>
<thead>
<tr>
<th>Year</th>
<th>Demand (Client service)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>150</td>
</tr>
<tr>
<td>2022</td>
<td>200</td>
</tr>
<tr>
<td>2023</td>
<td>270</td>
</tr>
</tbody>
</table>

3.2.2. Supply Forecast
Since Arabica Web Solutions is a company that offers services as its products, there is no supply of raw materials/input products. All the frameworks, including front-end and backend, are all on the internet, mostly are open-source, and these raw frameworks depend on the client’s demands for the website they wish to be.

3.3 Sales Plan and Market Share

The market opportunities of Arabica Web Solutions can be calculated from the potential demand subtracted by the amount of estimated supply. On the other hand, the market share can be calculated by the sales plan divided by its market opportunity.

<table>
<thead>
<tr>
<th>Year</th>
<th>Potential Demand</th>
<th>Estimated Supply</th>
<th>Market Opportunity</th>
<th>Sales Plan</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>150</td>
<td>15</td>
<td>135</td>
<td>8</td>
<td>7.4%</td>
</tr>
<tr>
<td>2022</td>
<td>200</td>
<td>25</td>
<td>175</td>
<td>15</td>
<td>8.5%</td>
</tr>
<tr>
<td>2023</td>
<td>270</td>
<td>45</td>
<td>235</td>
<td>25</td>
<td>10.6%</td>
</tr>
</tbody>
</table>

3.3. Marketing Strategy Against Competitors

Philip Kotler defines a marketing mix as a set of controlled marketing variables used by a company to generate company-controlled responses, from its target market, the marketing mix consists of everything a company can do to influence the demand for its products, known as the "four P's," namely product, price, location, and promotion [7].

3.3.1. Product

The services that Arabica Web Solutions offer differ from the competitors since our company integrates design mainly using Gatsby and the latest Bootstrap Front-End Framework with the best secure back-end framework Django, ensuring that all full-stack website aspects are top quality and to the customer’s desires.

1) Logo

A company’s logo signifies the company’s identity. An eye-catching logo would ignite consumers’ emotions towards the company.

![Figure 1. The Arabica Web Solutions Logo.](image1)

2) Price

The price of Arabica Web Solutions is based on three different categories, namely basic web design, intermediate and advanced with advanced offering the most features while still in the competitive market price. The higher the category of web design choice, the more benefit client get, such as size, better responsive features, more add-ons, e-commerce functionality benefits, better hosting service, more custom features, SEO service increases, database integration, and many more. Nevertheless, these categories all provide the best content marketing strategy for their websites.

3.3.2. Promotion

Arabica Web Solutions uses an online platform to promote its services, mainly through social media such as Instagram, Twitter, and Facebook. Other online platforms include professional sites such as Upwork Inc., LinkedIn, and Glassdoor.

![Figure 2. Online Platforms](image2)

3.4. SWOT

SWOT analysis, a commonly used tool for strategic planning, is traditionally a form of brainstorming.[8]

<table>
<thead>
<tr>
<th>- Strength</th>
<th>- Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responsive, up-to-date design, secure Website Offers Content Marketing Strategy SEO service</td>
<td>Still new, have yet to be known publicly in the market</td>
</tr>
</tbody>
</table>

Table 3. SWOT Analysis
- Opportunities
  Digital Marketing is on the rise in the market especially for the coffee business

- Threats
  Competitive prices of other companies

4. ORGANIZATION AND MANAGEMENT ASPECTS

4.1. Human Resource and Organization

Name of Business: Arabica Web Solutions
Name of owner: Aditya Kevin Christian
Address of Business: Remote
Legal Entity: Company

Organizational Structure:

CEO/Founder

Head of Marketing

Head of Technology

Figure 3. Organizational Structure of Arabica Web Solution

4.2. Licensing

Arabica Web Solutions is a private company that will register Surat Izin Usaha Perdagangan (SIUP). On the other hand, in the beginning, the steps of this business, Surat Ijin Tempat Usaha (SITU), are not needed. If Arabica Web Solutions expands its market in the future, a permanent office would be a requirement.

4.3. Pre-Operation Activities and Implementation Schedule

Table 4. Schedule

<table>
<thead>
<tr>
<th>No</th>
<th>Schedule</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1st Month</td>
<td>• Research and Development</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Cost Structure and Financial Planning</td>
</tr>
<tr>
<td>2</td>
<td>2nd Month</td>
<td>• Establishing Key partners</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Training workforce</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Finding potential Clients</td>
</tr>
<tr>
<td>3</td>
<td>3rd Month</td>
<td>• Start with the small client, charging at low category</td>
</tr>
</tbody>
</table>

4  4th Month

• Start advertising

• Market evaluation

• Resource Improvements

• Marketing through more designated platforms

5  5th Month

• Market evaluation

• Determine with key partners

• R&D improvements

• Big-Scale Marketing

6  6th Month

• Launching

• Continue with Marketing

5. FINANCIAL ASPECT

5.1. Funding Sources

To initiate the company’s operations, there needs to be capital to provide funding from the start. For Arabica Web Solutions, capital is prepared from the founder’s freelancing income for approximately Rp. 50,000,000. The initial funding should cover costs such as high-speed internet, compatible laptop, computer monitor, marketing, research and development, and operational costs.

5.2. Investment Capital

The investment capital for Arabica Web Solutions for the 1st year is approximate Rp. 40,000,000. This amount is used to buy paid web frameworks, pay the first contract web developers, additional equipment, and back-up internet. Advertisement costs could go up to Rp. 4,000,000.

5.3. Business Feasibility Analysis

Business feasibility analysis is required to measure the value of money or the rate of return of the investment invested in the business in the future. A few variables have to be calculated which include, the payback period (PP), net present value (NPV), and internal rate of return (IRR).

5.3.1. Payback Period

The payback period is a method used to calculate the length of the period required to return the money invested from the annual cash inflow generated by the investment project [9].
• **PP = Initial Investment**
  \[ \frac{Cash\ inflows}{(1 + r)^t} \]  
  \[ PP = \frac{Rp\ 50,000,000}{40,000,000} \times 1 \text{ year} = 1 \text{ year 5 months} \]

  Thus, based on the calculation above, the payback period for Arabica Web Solution is around 1 year and 5 months.

5.3.2. **Net Present Value**

Below is the net present value calculation using a discount rate with a rate of BI of 6.75% per month (Bank Indonesia, 2016) months.

\[ NPV = \frac{\text{net cash } 1 + \text{net cash } 2 + \text{net cash } 3 - \text{Investment} (1+r)(1 + r)^2 (1 + r)^3}{(1 + r)} \]

Where: \( r = \) return rate

\[ NPV = \frac{40,000,000}{1 + 0.0675} + \frac{50,000,000}{60,000,000} \]

\[ NPV = 80,670,240 \]

From the calculation above, the NPV value is Rp. 80,670,240. This result shows a positive value, in which it concludes that the business is profitable and can operate soon.

5.4. **Profit Analysis**

Break-Even Point (BEP) is a tool to analyze the projection of how many units will be produced or how much money must be received to get a break-even point or return of capital. The following is the calculation of BEP:

- **Year 2021:**

  BEP of Arabica Web Solutions in terms of clients

  \[ BEP = \frac{fixed\ Cost}{Selling\ price - variable\ cost} \]

  \[ BEP = \frac{50,000,000}{60,000,000 - 1,500,000} \]

  \[ BEP = 1.429\ Client \]

  BEP of Arabica Web Solutions in terms of Rupiah

  \[ BEP = \frac{Fixed\ cost}{1 - (Variable\ cost/Selling\ price)} \]

  \[ BEP = \frac{50,000,000}{1 - (1,500,000/5,500,000)} \]

  \[ BEP = Rp.71,428.571 \]

  Therefore, to reach BEP of 2021, Arabica web solutions in terms of clients again must serve at least 2 clients or the sales equivalent of Rp 71,428,571 that years.

- **Year 2022**

  BEP of Arabica Web Solutions in terms of clients

  \[ BEP = \frac{fixed\ Cost}{Selling\ price - variable\ cost} \]

  \[ BEP = \frac{50,000,000}{60,000,000 - 1,500,000} \]

  \[ BEP = 1.375\ Client \]

  BEP of Arabica Web Solutions in terms of Rupiah:

  \[ BEP = \frac{Fixed\ cost}{1 - (Variable\ cost/Selling\ price)} \]

  \[ BEP = \frac{50,000,000}{1 - (1,500,000/5,500,000)} \]

  \[ BEP = Rp.75,625,000 \]

  Therefore, to reach the BEP of 2022, Arabica Web Solutions again must serve at least 2 clients or the sales equivalent of Rp 75,625,000 that year.

- **Year 2023**

  BEP of Arabica Web Solutions in terms of clients

  \[ BEP = \frac{fixed\ Cost}{Selling\ price - variable\ cost} \]

  \[ BEP = \frac{60,000,000}{60,000,000 - 1,500,000} \]

  \[ BEP = 1.333\ Client \]

  BEP of Arabica Web Solutions in terms of Rupiah:

  \[ BEP = \frac{Fixed\ cost}{1 - (Variable\ cost/Selling\ price)} \]

  \[ BEP = \frac{60,000,000}{1 - (1,500,000/6,000,000)} \]

  \[ BEP = Rp.80,000,000 \]

  Therefore, to reach BEP of 2023, Arabica Web Solutions again must serve at least 2 clients or the sales equivalent of Rp. 80,000,000 that year.
5.5. Financial Report

Financial statements are reports that display the financial condition of a company containing a balance sheet, income statement, and other reports. The table below shows an estimation of the Financial Report of Arabica Web Solutions (in Rupiahs).

<table>
<thead>
<tr>
<th>Details</th>
<th>2021 (Rp)</th>
<th>2022 (Rp)</th>
<th>2023 (Rp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>100,000,000</td>
<td>120,000,000</td>
<td>140,000,000</td>
</tr>
<tr>
<td>HPP</td>
<td>30,000,000</td>
<td>33,000,000</td>
<td>36,000,000</td>
</tr>
<tr>
<td>Operation Gross Profit</td>
<td>130,000,000</td>
<td>153,000,000</td>
<td>176,000,000</td>
</tr>
<tr>
<td>Salary Expenses</td>
<td>40,000,000</td>
<td>43,000,000</td>
<td>46,000,000</td>
</tr>
<tr>
<td>Additional Expenses</td>
<td>10,000,000</td>
<td>13,000,000</td>
<td>15,000,000</td>
</tr>
<tr>
<td>Depreciation</td>
<td>3,000,000</td>
<td>3,000,000</td>
<td>3,000,000</td>
</tr>
<tr>
<td>Equipment &amp; Internet</td>
<td>2,000,000</td>
<td>2,200,000</td>
<td>2,400,000</td>
</tr>
<tr>
<td>Total Load</td>
<td>55,000,000</td>
<td>61,200,000</td>
<td>66,400,000</td>
</tr>
<tr>
<td>Gross Profit</td>
<td>75,000,000</td>
<td>91,800,000</td>
<td>109,600,000</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>3,000,000</td>
<td>3,000,000</td>
<td>3,000,000</td>
</tr>
<tr>
<td>EBT</td>
<td>72,000,000</td>
<td>88,800,000</td>
<td>106,600,000</td>
</tr>
<tr>
<td>Tax (15%)</td>
<td>10,800,000</td>
<td>13,320,000</td>
<td>15,990,000</td>
</tr>
<tr>
<td>EAT for 1 year</td>
<td>61,200,000</td>
<td>75,480,000</td>
<td>90,610,000</td>
</tr>
</tbody>
</table>

6. CONCLUSION

Arabica Web Solutions is a business idea of which it offers web development services to coffee businesses. A business idea is an initial stage of starting a start-up, which is implemented with the creation of a business plan. Based on our analysis, this business idea can continue to be a digital-based start-up.

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REFERENCES


