



LEARNING OUTCOME

- Describe overall about financial statement;
- Describe information provided by the balance sheet;
- Compare types of assets, liabilities, and equity;
- Describe information provided by the income statement;
- Describe information provided by the cash flow statement;
- Identify and compare cash flow classifications of operating, investing, and financing activities;
- Explain links between the income statement, balance sheet, and cash flow statement;
- Explain the usefulness of ratio analysis for financial statements;
- Identify and interpret ratios used to analysis a company's liquidity, profitability, financing, shareholder return, and shareholder value.





I. Introduction

Financial Statements

Purpose	Show the financial performance of a company	
	The balance sheet	
Classification	The income statement	
	The cash flow statement	
	Notes to the financial statements	
	Investor	Get informations for investment decisions
Main users	Employees	Get information for job security
	Board of director	Get information for making strategy



1. The balance sheet



Assets

Something valuable which business owns or can use

Non-Current assets

Current assets

Total liabilities + Equity

Liahilities

The debt that company owes

Non-Current liabilities

Current liabilities

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Equity

Capital that belongs to company's share holders

Capital raised

Retained earning

The balance sheet provides information about the company's financial position at a specific point in time



1. The balance sheet

Current Assets

- Assets that company expects to convert to cash or use up within 1 year
- <u>Example</u>: cash, investments, receivables, inventories and prepaid expenses.

ABC Company Balance Sheet December 31 2021

Current assetsCash and cash equivalents25Accounts receivable40Inventories100Total current assets165



1. The balance sheet

Non-current assets

- Non-current assets are a company's long-term investments for which the full value will not be realized within the accounting year.
- Depreciation/ Amortisation = Cost of assets – Residual value Expected useful life (years)
- Example: property, plant, equipment, intangible assets

ABC Company Balance Sheet December 31 2021

Total Non-current assets	400
Total Intangible assets	100
Trademarks	100
Total Property, Plant, and Equipment	300
Land	100
Building and building improvements	200
Non-current assets	



1. The balance sheet

Current liabilities

- The financial obligations of a company that are expected to be settled within one year.
- Examples of current liabilities include payables, shortterm debt, tax payables.

ABC Company Balance Sheet December 31 2019

Current liabilities

Total current liabilities	4,801
Income tax payable	240
Short-term debt	2,549
Account payable	2,012



1. The balance sheet

Non - Current liabilities

- The financial obligations of a company that are not expected to be settled within one year.
- Examples of non-current liabilities include long-term leases, bonds payable, and deferred tax liabilities.

ABC Company Balance Sheet December 31 2019

Long-term liabilities



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II. Financial Statements

1. The balance sheet

Shareholders' Equity

The **remaining amount of assets** available to shareholders after all liabilities have been paid.

Capital raised (Contributed capital)	Retained earning	
the investment of assets into the business by stockholders	the amount of net income left over for business after paying out dividends to shareholders	

ABC Company Balance Sheet December 31 2019

Stock holders' equity

Equity from common snares	7,000
Equity from preferred shares	7,000

Retained earnings 20,500

Total stockholders' equity 34,500





1. The balance sheet

ABC Company Balance Sheet		
As of 31 December	2021	2020
Assets		
Cash	25	16
Account receivable	40	35
Inventories	100	95
Total current assets	165	146
Property, plant and equipment	300	250
Intangible assets	100	100
Total non-current assets	400	<u>350</u>
Total assets	<u>565</u>	<u>496</u>
Liabilities and Equity		
Account payable	100	96
Total current liabilities	100	96
Long-term debt	232	200
Total non-current liabilities	232	200
Common stock	85	85
Retained earnings	148	115
Total owners' equity	233	200
Total liabilities and equity	<u>565</u>	<u>496</u>



2. The Income Statement

Income statement identifies the profit or loss generated by a
company by subtracting expenses from revenue during a period.

Revenues Earning from the company's operation, including selling goods and services

Cost of sales

The costs occur when producing goods or services (e.g. direct labor, materials, overhead)

Gross Profit Gross Profit = Revenues – Cost of sales

Operating
Expense
The expense for performing its normal business
operations (e.g. rent, salaries,...)

Operating Operating income
Income = Gross Profit - Operating expense

Income Tax

The tax imposed on business's income that has to be paid to governance

Net income = Operating income – Income tax

Net income is partly paid to shareholders (pay dividend), the rest is added to retained earning



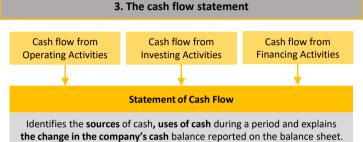
2. The Income Statement

ABC Company Income Statement For the year ending December 31, 2021

Revenues	650
Cost of sales	(450)
Gross profit	200
Operating expenses	(90)
Operating income	110
Income taxes	(34)
Net income	76
Additional information:	
Dividends paid to shareholders	43
Addition to retained earning	33

Example of Income Statement









3. The cash flow statement

Cash inflow

- Sales of goods and service
- Receive payment from credit customer

Cash outflow

- Purchases
- Selling and general expenses
- Tax expense



Cash flows from operating activities

Reflect the cash generated from a company's operations, its main profitcreating activity

ABC Company Statement Of Cash Flow For the year ending Dec. 31, 2021

Operating activities

Operating activities	
Cash receipts from customer	76
Cash paid to suppliers and employees	(35)
Cash generated from operation	41
Income tax paid	(10)
Net cash flow from operating activities	31



3. The cash flow statement

Cash inflow

- Sales of PPF
- Sales of securities

Cash outflow

- Purchases of PPF
- Purchases of securities

Cash flows from investing activities

Reflect the acquisition and disposal of long-term assets and other investments not included in cash equivalents.

ABC Company Statement Of Cash Flow For the year ending Dec. 31, 2021

Investment activities

Less: investment in property, plant, and equipment (90)Net cash flow used in investing activities

(90)



3. The cash flow statement

Cash inflow

- Long-term borrowing
- Issue shares in cash

Cash outflow

- Payment of loan, interests
- Payment of dividends

Cash flows from financing activities

Are cash inflows resulting from raising new capital (an increase in borrowing and/or issuance of shares) and cash outflows for payment of dividends, repayment of debt, or repurchase of shares

ABC Company Statement Of Cash Flow For the year ending Dec. 31, 2021

Financing activities

· ····································	
Cash inflow from borrowing (long-term debt)	32
Cash inflow from new share issues	0
Minus dividends paid to shareholders	<u>(43)</u>
Net cash flow used in financing activities	(11)



3. The cash flow statement

ABC Company Statement Of Cash Flow For the year ending Dec. 31, 2021

Operating activities	
Cash receipts from customer	76
Cash paid to suppliers and employees	<u>(35)</u>
Cash generated from operation	41
Income tax paid	(10)
Net cash flow from operating activities	31
Investment activities	
Minus investment in property, plant, and equipment	(90)
Net cash flow used in investing activities	(90)
Financing activities	
Cash inflow from borrowing (long-term debt)	32
Minus dividends paid to shareholders	<u>(43)</u>
Net cash flow used in financing activities	(11)
Net increase (decrease) in cash	(70)
Beginning cash	16
Ending cash	(54)





4. Links between Financial Statements

Income Statement and Statement of Cash Flow

ABC Company Income Statement

Revenues	650
Cost of sales	<u>(450)</u>
Gross profit	200
Other operating expenses	(90)
Operating income	110
Income taxes	(34)
Net income	76

The **net income** generated from selling goods (\$76 million) is shown in the starting point of the Statement of cash flow.

Additional information:

Dividends paid to shareholders Addition to retained earning 43 33

ABC Company Statement Of Cash Flow

Operating activities

The dividend paid to shareholders (\$43 million) is shown in the Cash flow statement as cash outflow in Financing activities Net Income

Less: increase in account receivable
Less: increase in inventories
(5)
Add: increase in account payable
A te cash flow from operating activities
Financing activities
Cash inflow from borrowing
32

Cash inflow from borrowing Less: dividends paid to shareholders

Net cash flow from financing activities

(43) (**11)**



70

32

II. Financial Statements

4. Links between Financial Statements

	Balance sheet and Statement of Cash Flo		
ABC Company Balance	ce Sheet		
As of 31 December	2021	2020	
Cash	25	16	In the balance sheet,
Account receivables	40	35	cash increase from 2020
Inventory	100	95	to 2021 is \$9 mil
Non-current assets	400	350	(\$25 mil - \$16 mil).
Total assets	565	496	This is shown in the
Account payables	100	96	statement of cash flow
Long-term debt	232	200	(SoCF) as Net increase in
Owners' equity	233	200	cash
Total liabilities and equity	565	496	
Receivables increases by	ABO	Compar	ny Statement Of Cash Flow
\$5. from \$35 to \$40.	Not increase (decrease) in cash		

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73, 110111 733 to 7 4 0.
Business sold goods to
customers but has not
received cash yet, so \$5
million has to be
deducted in the SoCF
Incombancia anana fuera
Inventory increases from
\$95 to \$100 mil. The
company purchased \$5
mil of goods, this leads to
cash outflow.

et increase (decrease) in cash	9
perating activities	

Net Income Less: increase in account receivable

Less: increase in inventories Add: increase in account payable

Net cash flow from operating activities **Financing activities**

Cash inflow from borrowing Less: dividends paid to shareholders

(43)Net cash flow from financing activities (11)





4. Links between Financial Statements

Balance sheet and Statement of Cash Flow

ABC Company Balance Sheet			
As of 31 December	2021	2020	
Cash	25	16	
Account receivables	40	35	
Inventory	100	95	
Non-current assets	400	350	
Total assets	565	496	
Account payables	100	96	
Long-term debt	232	200	
Owners' equity	233	200	
Total liabilities and equity	565	496	

In the balance sheet, account payables increases from \$96 to \$100 million in 2021. Business purchased goods but has not paid yet, so there is \$4 million increasing in cash in the SoCF

In the balance sheet, debt increase from \$200 to \$232 million in 2021. Cash inflow of \$32 mil because the business borrow more \$32 mil

ABC Company Statement Of Cash Flow

Net increase (decrease) in cash	9
Operating activities	

Net Income	
Less: increase in account receivable	
Less: increase in inventories	

Add: increase in account payable

Net cash flow from operating activities

Financing activities

Cash inflow from borrowing Less: dividends paid to shareholders (43) (11)

76

(5)

(5)

70

Net cash flow from financing activities





2020

115

200

496

II. Financial Statements

4. Links between Financial Statements

Balance sheet and Income statement

ABC Co	ompany l	ncome 9	Statement

Revenues	650
Cost of sales	<u>(450)</u>
Gross profit	200
Other operating expenses	(90)

Operating income 110 Income taxes (34)

Net income 76

Additional information:
Dividends paid to shareholders
Addition to retained earning

33

The **net income** for the year is \$76 million.

• \$43 million of it is the dividend paid to shareholders

 The rest of \$33 million (\$76 - \$43) is added to retained earning

On the balance sheet, retained earning increases by \$33 million, from \$115 to \$148 in 2021

As of 31 December 2021

Asset		
Total assets	565	496
Liabilities and Equity		
Total liabilities	332	296
Common stock	85	85

Retained earnings 148
Total owners' equity 232
Total liabilities and equity 565



Vocabulary	Meaning
Asset	Tài sản
Balance Sheet	Bảng cân đối kế toán
Board of Director	Hội đồng quản trị
Cash Flow Statement	Báo cáo lưu chuyển tiền tệ
Common stock	Cổ phiếu phổ thông
Copyright	Quyền tác giả
Current asset	Tài sản ngắn hạn (Tài sản lưu động)
Dividend per share	Cổ tức trên mỗi cổ phiếu
Depreciation/ Amortisation	Khấu hao tài sản hữu hình/vô hình



Vocabulary	Meaning
Earnings per share	Thu nhập trên mỗi cổ phiếu
Equity	Vốn chủ sở hữu
Expenses	Chi phí
Fair value	Giá trị hợp lý
Goodwill	Lợi thế thương mại
Gross profit	Lợi nhuận gộp
Historical cost	Giá gốc
Intangible asset	Tài sản vô hình
Liability	Nợ phải trả
Net income	Thu nhập ròng



Vocabulary	Meaning
Non-current asset	Tài sản dài hạn
Operating income	Thu nhập hoạt động
Patent	Bằng sáng chế
Prepaid expense	Chi phí trả trước
Residual value	Giá trị thanh lý
Retained earning	Lợi nhuận giữ lại
Revenue	Doanh thu
Income Statement	Báo cáo kết quả hoạt động kinh doanh
Trademark	Nhãn hiệu
Wage	Tiền công





Overview

Financial Statement shows the financial performance of a company. However, it is difficult to use those figures to evaluate business performance over time and compare it with other companies because each company has different characteristics.

Usage of Financial ratio

Using financial ratio instead of raw financial data to get more relevant information and better understand of relationship between components (ex: net income and revenues,...) of financial statements to evaluate performance

4 basic types of financial ratios

Liquidity ratio

Used to assess a business's ability to pay its outstanding obligations in the short term

Debt and Equity ratio

Used to evaluate how much leverage a company is using

Profitability ratio

Used to assess a business's ability to generate earning, related to revenues and costs

Return Ratio

Used to represent a company's ability to generate returns for its



1. Liquidity ratio

	Definition	Equation
Current ratio	Measures the current assets available to cover one unit of current liabilities	Current ratio $= \frac{\text{Current assets}}{\text{Current liabilities}}$
Quick ratio	A better indicator than the current ratio of what would happen if the company had to settle with all its creditors at short notice	Quick ratio = Current assets – Inventories Current liabilities





1. Liquidity ratio

ABC Company Balance Sheet December 31.2021

December 5112021	
Asset	
Cash	25
Account receivables	40
Inventory	100
Total current assets	165
Total non-current assets	400
Total assets	<u>565</u>
Liabilities and Equity	
Account payables	100
Total current liabilities	100
Total non-current liabilities	232
Common stock	85
Retained earnings	148
Total owners' equity	233
Total liabilities and equity	565

Liquidity ratio example

ARC's Current Ratio

ADC 3 Current Nati
Current assets
Current liabilities

$$=\frac{165}{100}=1.65$$

ABC's Quick Ratio

Current assets – Inventories

Current liabilities

$$=\frac{165-100}{100}=0.65$$

ABC's current ratio of less than 2 and its quick ratio of less than 1 indicate that the company may have difficulties meeting its obligations in the short term.



2. Profitability Ratio

	Definition	Equation
Net profit margin	Measures the percentage of revenues that is profit — that is, the percentage of revenues left for the shareholders after all expenses have been accounted for.	Net profit margin $= \frac{\text{Net Income}}{\text{Revenues}}$
Return on assets (ROA)	Return on assets indicates how much return, as measured by net income, is generated per monetary unit invested in total assets	ROA = Net Income Total Assets
Basic earning power	The basic earning power ratio compares the profit generated from operations with the assets used to generate that income	Basic earning power = Operating Income Total Assets





2. Profitability Ratio

	Definition	Equation
Operating profit margin	Show how good the company is at controlling its expenses or the costs of generating its revenues.	Operating profit margin = Operating Income Revenues
Asset turnover	Is expressed as a multiple and indicates the volume of revenues being generated by the assets used in the business, or how effectively the company uses its assets to generate revenues	Asset turnover = Revenues Total assets



2. Profitability Ratio

ABC Company Income Statement

Revenues	650
Cost of sales	(450)
Gross profit	200
Other operating expenses	(90)
Operating income	110
ncome taxes	(34)
Net income	76

ABC Company Balance Sheet

Cash	25
Account receivables	40
Inventory	100
Total current assets	165
Total non-current assets	400
Total assets	565
Total current liabilities	100
Total non-current liabilities	232
Total owners' equity	233
Total liabilities and equity	565

Profitability ratio example

ABC's Net Profit Margin

Net Income _	76 _ 11 60%
Revenues	$=\frac{76}{650}=11,69\%$

ABC's Return On Asset

Net Income	_ 76	= 13.45%
Total assets	- 565	- 15.45%

ABC's Basic Earning Power

Operating Income	_ 110
Total assets	565

= 19.47%

Cash





III. Financial Statement Analysis

2. Profitability Ratio

25

ABC Company Income Statement

Revenues	650
Cost of sales	(450)
Gross profit	200
Other operating expenses	(90)
Operating income	110
ncome taxes	(34)
Net income	76

ABC Company Balance Sheet

Account receivables	40
Inventory	100
Total current assets	165
Total non-current assets	400
Total assets	565
Total current liabilities	100
Total non-current liabilities	232
Total owners' equity	233
Total liabilities and equity	565

Profitability ratio example

Operating Profit Margin

Operating Income	_ 110
Revenues	650

= 16,92%

ABC's Asset Turnover

 $\frac{\text{Revenues}}{\text{Total Assets}} = \frac{650}{565}$

= 115%



3. Debt and equity ratio

	Definition	Equation
Debt-to- equity ratio	Measures how much debt the company has relative to equity	Debt–to–equity ratio = $\frac{\text{Debt}}{\text{Equity}}$
Equity multiplier ratio	Measures the amount of total assets supported by one monetary unit of equity.	Equity multiplier ratio = $\frac{\text{Total assets}}{\text{Equity}}$





3. Debt and equity ratio

ABC Company Balance Sheet December 31,2021

Asset Cash 25 Account receivables 40 Inventory 100 Total current assets 165 Total non-current assets 400 Total assets 565 Liabilities and Equity Account payables 100 Total current liabilities 100 Total non-current liabilities 232 Common stock 85 Retained earnings 148 Total owners' equity 233 565 Total liabilities and equity

Debt and equity ratio example

ABC's Debt-to-equity Ratio

 $\frac{\text{Debt}}{\text{Equity}} = \frac{332}{233} = 1,42$

ABC's Equity Multiplier

 $\frac{\text{Total Asset}}{\text{Equity}} = \frac{565}{233} = 2,42$

Asset

(ROE)



Net Income

Return on equity =

III. Financial Statement Analysis

4. Return Ratio

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	Definition	Equation
Net profit margin	Measures the percentage of revenues that is profit — that is, the percentage of revenues left for the shareholders after all expenses have been accounted for.	Net profit margin = Net Income Revenues

turnover average assets Measures the amount **Financial** total assets supported leverage one monetary unit equity.

Indicates how much return. Return as measured by net income, on equity is available to a monetary

unit of equity

Asset turnover is the ratio of Revenues Asset turnover = Total Assets total sales or revenue to by Financial leverage = $\frac{\text{Total Assets}}{\text{Equity}}$ of





4. Return Ratio

Return ratio example

ABC Company Balance Sheet

October 31,2017

Assets Total current assets 165 400 Total non-current assets Total assets 565

Liabilities and Equity

Total current liabilities 100 Total non-current liabilities 232 Total owners' equity 233 Total liabilities and equity 565

ABC Company Income Statement October 31,2017

650 Revenues Cost of sales (450)200 Gross profit Total other operating expenses (90)Operating income 110

(34)Income taxes Net income 76

ABC's Net Profit Margin

 $\frac{\text{Net Income}}{\text{Revenues}} = \frac{76}{650} = 11,69\%$

ABC's Asset Turnover

 $\frac{\text{Revenues}}{\text{Total Assets}} = \frac{650}{565} = 115\%$

ABC's Financial Leverage

 $\frac{\text{Total Assets}}{\text{Equity}} = \frac{565}{233} = 2,42$

ABC's Return on equity

 $\frac{\text{Net Income}}{\text{Equity}} = \frac{76}{233} = 32,62\%$



Vocabulary	Meaning
Amplify returns	Khuếch đại lợi nhuận
Asset turnover	Vòng quay tài sản
Basic earning power	Sức sinh lợi tài sản
Current ratio	Chỉ số thanh toán hiện hành
Debt-to-equity ratio	Chỉ số nợ trên vốn chủ sở hữu
Financial leverage	Đòn bẩy tài chính
Inventory	Hàng tồn kho
Liquidity	Tính thanh khoản
Net profit margin	Biên lợi nhuận ròng



Vocabulary	Meaning
Operating profit margin	Biên lợi nhuận hoạt động
Price-to-book ratio	Hệ số giá thị trường trên giá ghi sổ
Price-to-earnings ratio	Hệ số giá trên lợi nhuận
Current ratio	Chỉ số thanh toán hiện hành
Quick ratio	Chỉ số thanh toán nhanh
Profitability	Khả năng sinh lời
Return on assets	Tỷ suất sinh lời trên tài sản
Return on equity	Tỷ suất sinh lời trên vốn cổ phần
Shareholder	Cổ đông