EDUMASPUL:
Jurnal Pendidikan
P-ISSN 2548-8201 | E-ISSN 2580-0469

Vol. [10] No. [2] ([2026]) Page 1507-1515
DOI: https://doi.org/10.33487/edumaspul.v10i2.594

Integrating Islamic Supply Theory into Economics Education: A Conceptual Analysis of Market Mechanisms, Production Efficiency, and Sharia-Based Ethical Values

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Received	Revised	Accepted	Published
[10-08-2026]	[13-08-2026]	[07-09-2026]	[01-10-2026]

Abstract: This study examines how Islamic supply theory can be integrated into economics education to strengthen conceptual understanding, ethical reasoning, and critical analysis of producer decisions. Using a qualitative conceptual literature-review approach, the study synthesizes the law of supply, supply-curve movements and shifts, marginal cost, production efficiency, and Islamic principles concerning lawful products, transparency, justice, and market integrity. The synthesis identifies a three-dimensional pedagogical framework combining microeconomic analysis, Sharia-based ethical evaluation, and contextual decision-making. Proposed learning activities include supply-schedule simulations, production-cost calculations, market case discussions, and reflective assessments of ethical business conduct. These activities are educational proposals rather than classroom-tested interventions. The study contributes a conceptual foundation for teaching Islamic microeconomics and economic literacy in higher education, while recognizing that its effectiveness for student learning requires empirical evaluation.

Keywords: economics education; Islamic supply theory; economic literacy; microeconomics learning; Sharia ethics; critical thinking

Abstrak: Penelitian ini mengkaji integrasi teori penawaran Islam dalam pendidikan ekonomi untuk memperkuat pemahaman konsep, penalaran etis, dan kemampuan analisis keputusan produsen. Melalui studi kepustakaan konseptual kualitatif, penelitian mensintesis hukum penawaran, pergerakan dan pergeseran kurva, biaya marginal, efisiensi produksi, serta prinsip syariah mengenai kehalalan produk, transparansi, keadilan, dan integritas pasar. Hasil sintesis menghasilkan kerangka pedagogis tiga dimensi yang menggabungkan analisis mikroekonomi, evaluasi etika berbasis syariah, dan pengambilan keputusan kontekstual. Aktivitas pembelajaran yang diusulkan meliputi simulasi penawaran, perhitungan biaya produksi, diskusi kasus pasar, dan refleksi etika usaha. Aktivitas tersebut merupakan usulan konseptual, bukan intervensi pembelajaran yang telah diuji. Kajian ini menawarkan dasar pengembangan pembelajaran mikroekonomi Islam dan literasi ekonomi di perguruan tinggi, dengan efektivitas yang masih perlu diuji secara empiris.

Kata kunci: pendidikan ekonomi; teori penawaran Islam; literasi ekonomi; pembelajaran mikroekonomi; etika syariah

CITATION:	Ramli, & Ahmad Dzul Ilmi Syarifuddin. (2026). Integrating Islamic Supply Theory into Economics Education: A Conceptual Analysis of Market Mechanisms, Production Efficiency, and Sharia-Based Ethical Values. *Edumaspul: Jurnal Pendidikan*, *10*(2). https://doi.org/10.33487/edumaspul.v10i2.594

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Introduction

Supply and demand are central to microeconomic explanations of prices and resource allocation. Supply refers to quantities of a product that sellers are willing and able to bring to a market at alternative prices during a specified period. The concept is conditional: the relationship is evaluated while other determinants are held constant. A rise in a product's price normally creates an incentive to supply more, but physical capacity, the timing of production, and the availability of inputs constrain this response.

The Group 6 source paper, "Teori Penawaran Dalam Ekonomi Islam," emphasizes that Islamic economic analysis does not reject market incentives or cost calculations. Instead, production and trade must also respect lawful products, truthful information, fair treatment of consumers and workers, and the avoidance of manipulation. This distinction is crucial because a technically efficient allocation may still be normatively unacceptable when its goods or practices violate Sharia principles.

The relationship between market efficiency and religious obligations is especially important in contemporary markets. Digital marketplaces, rapid price adjustments, supply-chain concentration, and increasingly complex financing can improve coordination, yet they can also obscure the source of products, distort information, or facilitate strategic withholding of essential goods. Ethical evaluation therefore needs to address both market outcomes and the conduct through which they arise.

A conceptual gap emerges when discussions of Islamic supply theory present ordinary supply curves and ethical prohibitions as disconnected topics. It is not enough to describe the upward-sloping curve and then append a general instruction to be fair. The analytical task is to show where ethical conditions enter decisions about which goods to produce, how much to produce, what costs are recognized, and when public intervention may be justified.

This article addresses three questions: How do price and non-price determinants shape supply? Under what conditions does marginal cost describe a competitive producer's supply decision? How can Islamic ethical principles be integrated without confusing descriptive economic propositions with normative judgments? The contribution is an explicit three-layer framework linking supply incentives, lawful production constraints, and responsibilities for market integrity and welfare.

Literature Review

Conventional supply theory

Standard microeconomic analysis distinguishes a supply schedule from a single quantity supplied. The supply schedule relates alternative prices to quantities offered, while quantity supplied denotes one point on that schedule. An increase in the product's own price generally causes movement along an unchanged supply curve; changes in technology, input prices, taxation, or the number of firms shift the entire curve. This distinction is necessary for interpreting observed price changes accurately.

Supply responsiveness depends on the time horizon. In the very short run, available inventories may constrain adjustment. In the short run, at least one productive factor is fixed, limiting output expansion. Over longer horizons, firms can change equipment, enter markets, and adopt new technologies. Thus a higher price does not guarantee an immediate increase in physical output, even when it strengthens the incentive to produce.

The simplified linear function Qs = a + bP, with b > 0, is useful for teaching the law of supply. However, it is not a universal empirical law, and its parameters depend on other conditions. It should be interpreted as an illustrative relationship rather than a fixed equation valid for every industry.

Islamic conceptions of production and exchange

Islamic economic thought situates production within obligations of lawful earning, stewardship, justice, and social benefit. The source paper discusses halal and tayyib goods, prohibition of fraud (tadlis), and condemnation of harmful hoarding (ihtikar). It also refers to the contributions of Ibn Taymiyyah and Ibn Khaldun in recognizing that supply, demand, and production conditions affect prices.

These principles should not be interpreted as a denial of ordinary scarcity. A shortage arising from crop failure or logistical disruption differs from deliberate restriction intended to exploit consumers. Likewise, the existence of high prices does not, by itself, prove wrongdoing. A defensible ethical assessment must consider the cause of scarcity, conduct of sellers, and effects on affected groups.

Qur'an 4:29 establishes the importance of legitimate trade and mutual consent. Qur'an 2:168 invokes lawful and wholesome consumption. These texts offer normative orientations; they do not themselves specify the slope of a supply curve or the mathematical form of marginal cost.

Research Methodology

This article adopts a qualitative conceptual literature-review design. Its principal source is the Group 6 paper on supply theory in Islamic economics, prepared in the Master's Program in Islamic Economics at Institut Agama Islam Negeri Parepare in 2026. The uploaded paper is used as the basis for the scope, terminology, and substantive organization of the analysis. The uploaded sample article from Jurnal Edumaspul is used solely as a structural guide for the research-article presentation, not as evidence about Islamic economics.

The analytical material is organized into five domains: (1) definitions and determinants of supply; (2) the law of supply and supply-curve shifts; (3) marginal cost and the competitive-firm supply condition; (4) Islamic requirements concerning lawful goods and market conduct; and (5) implications for production policy and social welfare. Each domain is first described in economic terms and then examined for its compatibility with the normative principles discussed in the source manuscript.

The procedure comprises four stages. First, concepts and claims were extracted from the source paper. Second, overlapping discussions were consolidated into coherent categories. Third, descriptive statements were distinguished from ethical and legal evaluations. Fourth, the categories were synthesized into a conceptual framework that connects producer incentives with Sharia-based constraints and market responsibilities.

This approach does not employ interviews, questionnaires, transaction records, or statistical estimation. The examples are illustrative scenarios rather than observed field cases. Accordingly, the results are theoretical propositions, not causal findings or measures of the performance of Islamic firms. The literature cited in the original paper includes works in microeconomics and Islamic economics; bibliographic details should be checked against the editions actually consulted before journal submission.

A further methodological limitation concerns jurisprudential diversity. Detailed rulings on specific products, pricing practices, and state interventions may depend on context and scholarly interpretation. This article therefore

articulates broad ethical principles and does not issue binding legal judgments on individual businesses.

An additional pedagogical synthesis maps each economic concept to an intended learning competency, an illustrative classroom activity, and a possible assessment criterion. This mapping is a proposed curriculum framework, not evidence of instructional effectiveness.

Results

Price incentives and supply responses

The first conceptual result is that Islamic economics can use the ordinary law of supply as a descriptive account of producer behavior. When the price of a lawful product rises and other conditions remain unchanged, producers generally have stronger incentives to offer additional units. This response can occur through higher utilization of existing capacity, greater labor input, or redirection of resources. However, the response is constrained by production technology and the supply of inputs.

The relationship is not automatic. Agricultural output may be fixed between harvests, while perishable goods cannot always be withheld for later sale. In the long run, expansion becomes possible through investment, new entrants, and improvements in productivity. The source paper's distinction between short-run and long-run adjustment is therefore essential for evaluating whether an observed shortage reflects a temporary constraint or a durable structural problem.

Non-price determinants of supply

Input prices, production technology, resource availability, the number of sellers, expected future prices, and government measures alter supply independently of the product's current selling price. For example, a rise in fertilizer or transport costs may reduce the quantity a farmer can profitably offer at a given price. A productivity improvement may increase output without requiring a higher selling price.

From an Islamic perspective, the economic direction of these changes remains analytically intelligible. The additional question is whether firms respond through permissible methods. A producer may reduce waste through technology, but should not achieve lower measured costs by concealing product defects or transferring preventable harm to workers and communities.

Supply curve interpretation

An upward-sloping supply curve depicts a positive relation between price and quantity under specified assumptions. A change in the good's own price is a movement along the curve, whereas a change in a non-price determinant shifts the curve. Confusing these processes can lead to mistaken diagnoses of market developments and poorly targeted interventions.

Marginal cost and the short-run supply decision

Marginal cost (MC) is the additional cost incurred when output increases by one unit. In a competitive firm model, production decisions are guided by the comparison between the market price and marginal cost. On the relevant rising portion of the MC curve, a price-taking firm selects output where P = MC, provided operating revenue covers variable costs. The firm's short-run supply curve corresponds to the MC segment above the minimum average variable cost (AVC), subject to the model's assumptions.

This result must not be generalized to every firm. A producer with market power chooses output with reference to marginal revenue and marginal cost (MR = MC). Multi-product production, indivisible capacity, external effects, and institutional restrictions can further complicate the relationship. The source paper correctly treats the competitive-firm result as conditional rather than universal.

Illustrative numerical example

Table 1. Illustrative price–quantity schedule for a lawful food product (hypothetical figures).

Price (IDR/unit)	Quantity supplied (units)	Interpretation
10,000	100	Lower price, lower quantity
12,000	140	Movement along supply curve
14,000	180	Movement along supply curve
16,000	220	Movement along supply curve

The table is a teaching illustration, not observed data. It shows that quantities can increase with price when non-price determinants remain constant. If improved technology enables an additional 50 units to be offered at every price, the entire schedule shifts outward. If input costs increase, it may shift inward. Such shifts should not be confused with changes caused by the product's own price.

The example also clarifies a normative distinction: a schedule may be economically feasible but ethically unacceptable if the product is prohibited or if the supply is obtained through deception. Sharia compliance is therefore a condition on the acceptable set of production choices rather than an alternative arithmetic formula for Qs.

Integrating descriptive and normative analysis

A useful synthesis has three analytical layers. The first layer is descriptive: prices, marginal costs, technology, and market structure explain how much firms are willing and able to supply. The second layer is compliance-based: the goods and the methods used to produce and sell them must be lawful, transparent, and non-deceptive. The third layer is evaluative: market conduct should be assessed for justice, protection of vulnerable parties, and wider social consequences.

This layered approach avoids two common errors. One error is treating economic regularities as if they were religious commandments; the law of supply is an empirical generalization, not a revealed obligation to expand output whenever prices rise. The other is treating Islamic ethics as if it replaced the need for cost analysis. Ethical firms still face scarce resources, uncertain demand, and technological constraints.

The producer's objective may be described as pursuing sustainable permissible returns within binding ethical conditions. This formulation does not imply that every socially beneficial action maximizes accounting profit. Rather, it clarifies why a choice that appears profitable under a narrow cost measure may be rejected if it entails prohibited transactions, deceptive labeling, or foreseeable harm.

Qur'anic orientations

Qur'an 4:29 (excerpt): يَا أَيُّهَا الَّذِينَ آمَنُوا لَا تَأْكُلُوا أَمْوَالَكُمْ بَيْنَكُمْ بِالْبَاطِلِ إِلَّا أَنْ تَكُونَ تِجَارَةً عَنْ تَرَاضٍ مِنْكُمْ

Meaning: Believers are instructed not to consume one another's wealth unjustly, except through trade by mutual consent.

Qur'an 2:168 (excerpt): يَا أَيُّهَا النَّاسُ كُلُوا مِمَّا فِي الْأَرْضِ حَلَالًا طَيِّبًا

Meaning: Humanity is directed to consume what is lawful and wholesome on earth.

These passages support the normative significance of lawful goods and fair exchange. They do not determine a specific optimal price or production quantity. Their relevance lies in setting boundaries within which economic coordination and enterprise can legitimately occur.

Hoarding, scarcity, and market integrity

The source paper highlights the prohibition of harmful hoarding (ihtikar) and deception (tadlis). An important analytical distinction is between ordinary inventory management and strategic withholding that creates or aggravates scarcity to exploit buyers. Holding stocks for seasonal demand, preventing spoilage, or fulfilling contractual obligations is not necessarily equivalent to harmful hoarding. Ethical evaluation should therefore examine intent, circumstances, market power, and foreseeable consequences rather than infer misconduct from inventories alone.

A supply reduction caused by flood damage, transport disruption, or rising input costs can increase prices without deliberate manipulation. Conversely, a dominant supplier may restrict output strategically, or sellers may misrepresent availability to pressure buyers. Both may produce similar price patterns, but the underlying behavior and ethical judgment differ. Evidence about market conditions is necessary before attributing fault.

Transparency is especially significant in online trade, where buyers may not be able to inspect goods directly. Accurate descriptions, clear delivery conditions, reliable stock information, and honest quality claims are practical extensions of the duty to avoid deception. Digital technology can lower transaction costs while increasing the need for traceability and effective dispute resolution.

Production efficiency and external costs

Marginal-cost analysis is valuable for deciding whether an additional unit can be produced efficiently. Nevertheless, private production costs may omit social burdens, such as pollution, unsafe labor conditions, or depletion of common resources. When these effects are ignored, a firm may appear efficient in a narrow accounting sense while imposing losses on others.

The Islamic principles of stewardship, justice, and avoidance of harm provide reasons to recognize such costs in decisions and regulation. This does not mean that the textbook MC curve can simply be relabeled as an Islamic curve. Rather, analysis should distinguish private marginal cost from broader social costs and identify where institutional rules, incentives, or ethical commitments may improve outcomes.

Policies that support cleaner technologies, truthful certification, and fair competition can potentially reconcile productivity with public welfare. Their actual effectiveness, however, requires evidence and cannot be established by a conceptual review alone.

Discussion

The source paper discusses the importance of market mechanisms alongside the possibility of intervention when manipulation, monopoly abuses, or serious injustice undermine fair exchange. This balance should be evaluated contextually. Price controls may offer short-term consumer relief, but when set below sustainable production costs they can discourage supply and worsen shortages. On the other hand, measures that prevent collusion, improve logistics, or protect truthful competition may strengthen supply without suppressing legitimate incentives.

A practical assessment can begin by identifying the problem: is scarcity driven by a harvest failure, input inflation, restricted entry, or intentional manipulation? Different causes require different responses. Infrastructure and input access may address structural shortages, while enforcement and transparency may be more appropriate for deceptive or exclusionary conduct. Uniform intervention regardless of cause can produce unintended consequences.

Institutions also shape producers' ability to behave responsibly. Credible halal assurance, reliable contract enforcement, transparent

market information, and accessible complaint mechanisms reduce uncertainty for both sellers and buyers. These mechanisms help translate ethical principles into repeatable business practices rather than relying exclusively on individual declarations of goodwill.

An integrated framework for producer decisions

Table 2. Conceptual framework linking economic analysis and Islamic ethical evaluation.

Decision dimension	Economic question	Islamic ethical question
Product selection	Is demand sufficient?	Is the good lawful and beneficial?
Output quantity	Does incremental revenue justify cost?	Are supply practices honest and non-exploitative?
Input choice	Which technology lowers cost?	Are worker and environmental harms addressed?
Pricing and trade	How do prices coordinate exchange?	Is consent informed and free of deception?
Inventory policy	When should stocks be released?	Does withholding create harmful artificial scarcity?

The framework is an analytical proposal derived from the combined concepts in the source manuscript. It does not assert that all Islamic producers currently follow these steps. Its purpose is to make visible the additional questions that must accompany an otherwise standard supply decision.

Implications and Limitations

Implications for business practice and education

For producers, the framework suggests that decisions should be documented across both commercial and ethical dimensions. Costing should account for lawful inputs and fair treatment, product claims should be verifiable, and supply strategies should avoid deliberate manipulation. These practices can reinforce consumer confidence while allowing firms to respond to legitimate price signals.

For Islamic economics education, the framework offers a way to teach conventional diagrams and Sharia principles without collapsing one into the other. Students can first identify whether a change is a movement along the supply curve or a shift of the curve. They can then analyze the ethical acceptability of the goods, transactions, and strategies involved. Finally, they can consider welfare effects and appropriate institutional responses.

For public policy, the analysis supports targeted measures that improve market information, productivity, and competition while discouraging deceptive practices. Interventions should be designed with attention to incentives, production constraints, and the risk of unintended shortages. The goal is not to eliminate price mechanisms but to support legitimate exchange within a just institutional environment.

Limitations and future research

The article is limited by its conceptual, literature-based design and its dependence on a single foundational course paper. It does not conduct a systematic database search, appraise the quality of a comprehensive body of peer-reviewed studies, or test hypotheses using firm-level observations. Accordingly, claims about actual producer conduct, consumer outcomes,

or policy effectiveness remain outside its evidentiary scope.

Future research could examine halal food producers, agricultural supply chains, or Islamic digital marketplaces using interviews, administrative records, and price–quantity data. Comparative studies might investigate how certification costs, ethical procurement, or financing constraints influence output decisions. Such designs could test whether and under what conditions Sharia-oriented governance changes supply responsiveness or social outcomes.

Educational Implications: Integrating Supply Theory into Economics Learning

The conceptual findings can be translated into economics education by distinguishing three learning dimensions. First, students need disciplinary knowledge of supply schedules, price changes, non-price determinants, marginal cost, and short-run production decisions. Second, they need ethical literacy to assess the lawfulness of goods, truthful product descriptions, fair treatment, and the consequences of harmful hoarding. Third, they need applied reasoning to justify production decisions using both quantitative economic evidence and Sharia-based criteria. The distinction is pedagogically important: Islamic ethical values inform the evaluation of decisions but do not replace the descriptive equations used to explain market behavior.

In a proposed classroom sequence, an instructor begins with a simple supply schedule and asks students to distinguish movements along the curve from shifts caused by changes in technology or input prices. Students then calculate marginal cost from hypothetical production data and explain when a price-taking firm would continue production under the standard short-run model. Finally, groups examine cases involving food shortages, online product descriptions, and inventory withholding, identifying what additional evidence is needed before judging the conduct ethically unacceptable. These tasks are illustrative teaching designs, not observed student activities.

The intended learning outcomes are that students can accurately interpret a supply curve, calculate and explain marginal cost, distinguish physical scarcity from deliberate market manipulation, and justify a decision with reference to both economic mechanisms and Islamic ethical principles. Assessment could combine a short numerical problem, a written case analysis, and a reflective explanation. A rubric should evaluate conceptual accuracy, appropriate use of evidence, ethical reasoning, and clarity of argument rather than rewarding agreement with a single unsupported conclusion.

Table 3. Proposed alignment of supply concepts with educational competencies

Supply determinants — supply-curve interpretation — graphing and scenario comparison — accuracy of economic explanation.

Marginal cost — production efficiency — numerical cost exercise — correct computation and interpretation.

Halal production and truthful exchange — ethical evaluation — product-selection case study — reasoned justification.

Hoarding and scarcity — critical economic literacy — evidence-based market discussion — distinction between causes and conduct.

Social welfare and justice — responsible decision-making — reflective group presentation — balanced economic and ethical analysis.

Discussion: Pedagogical Significance and Research Boundaries

Reframing Islamic supply theory as educational content shifts the contribution of the manuscript from describing producer conduct to explaining how students may learn to evaluate producer decisions. The original three-layer framework—market incentives, Sharia compliance, and market justice—can serve as a teaching organizer. Students first establish what an economic model predicts, then identify ethical boundaries, and finally discuss consequences for consumers, workers, and communities. This order reduces the risk of conflating positive economic propositions with normative religious judgments.

Contextual cases are especially relevant because a rise in price does not by itself establish exploitation.

Students should investigate whether a shortage reflects harvest failure, input-cost inflation, logistical constraints, market power, or strategic withholding. This approach encourages inquiry, argumentation, and careful interpretation of evidence. It also creates opportunities to connect abstract microeconomic diagrams to contemporary issues such as digital marketplaces, food supply chains, and consumer protection.

For curriculum design, the framework may support courses in Islamic microeconomics, introductory economics, Islamic business ethics, and entrepreneurship education. Instructors should adapt mathematical demands to the students' level and use transparent, hypothetical data when empirical datasets are unavailable. The educational claims in this manuscript remain theoretical. No students were recruited, no learning intervention was implemented, and no pretest–posttest outcomes were measured. Future research should test instructional feasibility, conceptual gains, ethical reasoning, and student engagement through classroom observations, validated assessments, and comparative designs.

Conclusion

This study concludes that Islamic supply theory offers valuable interdisciplinary content for economics education. Standard analytical concepts—including price incentives, supply shifts, marginal cost, and production efficiency—can be taught alongside Sharia principles concerning lawful production, truthful exchange, justice, and market integrity. The proposed three-dimensional pedagogical framework links conceptual economic knowledge, ethical evaluation, and contextual decision-making to support the design of Islamic microeconomics learning activities.

The study contributes a conceptual basis for curriculum development, case-based teaching, and assessment of economic reasoning in higher education. However, the framework has not been implemented or empirically evaluated, and no improvement in student knowledge or behavior can be inferred. Future classroom-based research should examine its instructional feasibility and effects on conceptual understanding, critical thinking, and ethical economic judgment.

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