# Innovative Islamic Hedging Products: Application of Wa'd in Malaysian Banks

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Abstract: The principle of wa'd or promise can be used to structure innovative shari'ah compliant hedging instruments. Conventional hedging products such as forward currency contracts and currency swaps are prohibited in Islamic finance principally due to the issue of riba and to the violation of bay al-sarf rule which requires currency trading to be done on 'spot' basis only. The usage of wa'd has grown rapidly in recent years since it offers great flexibility and many of the world's first shari'ah compliant derivatives such as Islamic cross currency swaps and Islamic profit rate swaps have been developed by Malaysian banks using wa'd. This paper discusses and examines wa'd applications in seven selected Malaysian Islamic banks, specifically in its application as an Islamic hedging astrument. Based on a survey of the banks' official information disclosed to the public, the finding of this research indicates that all Islamic banks under study have used wa'd in structuring their Islamic hedging products. This paper represents a preliminary study of wa'd applications in the Malaysian banks; it shows that wa'd is a flexible mechanism and has the prospect of playing a vital role in facilitating Islamic financial institutions manage their business risks and liquidity effectively.

Keywords: Islamic hedging; wa'd, shari'ah compliant, Malaysia

JEL classification: F31, G20, P45

#### 1. Introduction

Today, the Islamic finance industry is capable of providing complete banking solutions in the filling people's needs. For instance, the Islamic financial institutions in countries like Maysia, Pakistan and the Middle East have successfully introduced and in some market replaced conventional home financing and conventional insurance with Islamic financing and takaful. The industry has also introduced sukuk as an alternative to the mountainable bond. Despite the tremendous growth in Islamic product development, the mastry still lacks the availability and an array of choices for hedging mechanisms to migate risks faced by investors and people in business. The conventional derivatives

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used in hedging is prohibited since Islamic investors and Islamic financial institutions are not allowed to enter into forward currency contracts that involve the *ri'ba* element.

Traditionally, hedging is considered important in order to improve investor confidence in participating in international trade. As international trade involves the use of foreign currencies, people in business are exposed to foreign currency risks. Past decades have been associated with high volatility in foreign and domestic currency values across the world, leading at times (especially in 1998 and towards end of the last century) to severe currency crises in many countries. To improve business confidence, a good hedging mechanism is required to reduce the risks of currency exposure.

As Islamic finance grows, so has the need for hedging mechanisms since Islamic investors are also exposed to similar kinds of global risks including foreign currency risks. The use of conventional products for hedging has been controversial and most Islamic scholars consider them to be non *shari'ah* compliant for various reasons. The products which are financial derivatives have also been largely used for speculative purposes to gain profit rather than for hedging. The excessive use of these derivatives in recent years has in fact drawn much criticism not only by academics and *shari'ah* scholars but also among practitioners themselves because they contribute to financial market instability and lead to crises (Chapra 2008; Ahmed Habib 2009; Hassan 2009).

Does the Islamic finance industry need similar alternatives for hedging? Should Islamic products be structured so that the principle of minimising risks or hedging be embedded in product structuring so that separate products for hedging are not necessary? After all Islamic products are supposed to be free from interest rates and therefore 'theoretically' are not susceptible to changes and volatility in interest rates, thus reducing the need for hedging. This in itself can be a point of contention. However, in this paper, we argue that under current circumstances, appropriate instruments to manage risks which are in compliance with *shari'ah* principles are still crucial. Competing side by side with conventional finance, and facing similar global economic and financial uncertainties and risks, the Islamic finance industry's search for Islamic solutions to meet changing market needs must be a constant undertaking.

The objective of this study is to examine the principle of wa'd and the permissibility of structuring hedging products based on this principle. The paper also explores the application of wa'd as a form of hedging mechanism among Islamic banks in Malaysia. Through our preliminary search, we indentified seven banks which are currently using wa'd as a hedging tool in Malaysia and they are CIMB Islamic, Bank Islam Malaysia, Bank Muamalat, Kuwait Finance House, RHB Islamic Bank, Standard Chartered Saadiq Bank, and Deutche Bank Malaysia. The first part of this paper discusses the literature review on theory and application of wa'd in Islamic finance. This is followed by a discussion on the need for shari'ah compliant hedging mechanisms to meet the current needs of the market with a focus on the use of wa'd as a tool for hedging. The last part of the paper examines the use of wa'd in the Malaysian Islamic banks.

# 2. Wa'd: Theory and Application

The term wa'd which is also known as unilateral promise refers to a commitment made by one person to another to undertake a certain action or verbal disposal beneficial to the other party. Lehman and Phelps (2005) in the West's Encyclopedia of American Law (2008) define

Many of the scholars believe that fulfilling a promise is a noble quality and its breach meaning in Islam. According to Mohamad Akram (2009), wa'd is a promise which meaning and negative meaning. But if the promise is to do something to motor the promise is not obligatory to fulfil it.

Abu Ghuddah and Abdul Sattar (2006) differentiate between wa'd and muwa'dah. Seconding to them, muwa'adah which is also known as bilateral promise refers to two expression which two parties agree to do the same acts. A simple example for wa'adah is, a promise to sell a car to B and B promises to buy the car from A. The solution of the Fiqh Academy of Jeddah (2006) decided that a bilateral promise, if binding mount parties is not allowed. With the definition of muwa'adah, AAOIFI (2008) ruled that muwa'adah is regarded as a contract. Even though muwa'adah is claimed as mular to a contract, Shamsiah and Rusnah (2009) opined that muwa'adah should not be meed as a contract because it is only a bilateral promise to execute an agreement on a mure date. However, all scholars agree that wa'd is different from a contract because in the contract, both of the contracting parties are obliged to do or to deliver something each other.

A promise is regarded seriously in Islam for fulfilling a promise is one of the process of a true believer and a person who breaks his promise is considered as a process of a true believer and a person who breaks his promise is considered as a process of a true believer and a person who breaks his promise is considered as a process of a true believer and a person who he talks he lies; his process he does not keep; his covenant he betrays; and when he argues he exceeds the constant (Al-Bukhari, Sahih Bukhari, Kitab al-Iman). Allah S.W.T. has repeated the word wa'd true than 150 times in al-Qur'an to show its significance (Qarrah Daghi 2002).

Allah SWT said: يَا الَّذِينَ آمَنُوا اَوْهُوا بِالْعُقُودِ Meaning: "O you who believe, fulfil meromise" (al-Qur'an, al-Maidah: 1). This verse shows that Islam gives an order to fulfil meromise. Though Islam gives high emphasis to fulfilling a promise, jurists have different as to whether the fulfilment of wa'd is legally binding. Scholars took three positions (1) fulfilling a promise is praiseworthy but not obligatory; (2) fulfilling a promise is basically obligatory but with conditions mexceptions (Mohammad Akram 2009). Hence, as a general principle, wa'd must be miled for religious reasons only since it only creates moral obligation but cannot be more to incur some expenses or undertake some labour or liability on the basis of the mise, it is mandatory on the promisor to fulfil his promise for which he may be compelled the courts.

The principle of wa'd has been practised in Islamic finance industry since its early in the 1990s, but then the practice was concentrated on murabahah to purchase murabahah lil amr bi al-syira'). Later, the application of wa'd was extended to the financing and investment facilities which are structured based on sale (bay'), leasing much) and partnership (syirkah). The purpose of using wa'd in those contracts is mainly measure continuous shari'ah compliancy in every stage of the transaction, particularly to mode the formation of two contracts in one or conditional contract which is impermissible muslam (Nurdianawati 2008). In Islamic financing documents, wa'd is applied in a

supplementary document to the master agreement, or is commonly known as purchase undertaking.

According to Parker (2010), the concept of wa'd has gained prominence over the last few years as the Islamic finance industry has sought to innovate derivative products and in the context of proliferation of the global sukuk market, it is a very useful and flexible tool in structuring shari'ah compliant transactions. Wa'd also plays an important role in showing the parties' commitment to complete the transaction according to their ultimate intentions. Wa'd mulzim which is also known as binding unilateral promise has been structured to protect the interest of financial institutions, in which customers undertake to buy the leased asset in the event of default and extensive total loss of the asset.

The concept of wa'd mulzim has been applied in many Islamic banking products which are based on sale, leasing and partnership contracts. For example, in the contract of murabahah to purchase orderer, the customer will give his wa'd to purchase the asset that he has requested the bank to purchase from the supplier. The wa'd shall be separately executed prior to the execution of the murabahah contract. During the purchase requisition, the purchase order application shall contain the promise which must be duly signed by the purchase orderer. The bank will buy the asset from the supplier and sell it to the customer at a premium, typically payable in instalments. The premium is generally based on a benchmark rate, such as LIBOR, plus a margin, thus giving rise to the needs to hedge fluctuations in such a benchmark. In this situation, the customer has to fulfil his wa'd because the bank will have to incur some costs during purchasing of the asset as ordered by the customer. If the customer refuses to fulfil his wa'd, then he is liable for breach of wa'd and shall compensate for related actual costs incurred by the bank.

The principle of wa'd also has been used in the contract of ijarah muntahia bi-tamleek whereby the bank or customer makes a promise with the other party to sell or purchase the asset at the end of the lease period or transfer the ownership to the customer through gift (hibah) or sale of the leased asset (Muhammad Ayub 2007). The ownership of the leased asset shall be transferred to the lessee upon execution of a sale contract of the leased asset as stated in wa'd by the lesser at a mutually agreed consideration to be executed at the end of the lease period or at any time during the lease period. The wa'd by the lessee to lease the asset from the bank upon the latter's acquisition of the asset shall be binding on the lessee and shall be separately executed prior to the execution of the ijarah contract. The bank may require the customer to pay a security deposit as a guarantee which protects the bank from the risk of the customer not fulfilling the unilateral wa'd to lease the asset upon purchase by bank. If the customer breaks the wa'd, the bank may set-off the actual loss from the amount of security deposit. In a situation where there is no breach of promise, the security deposit may become part of the rental payment of the leased asset.

Apart from that, the wa'd can also become an alternative to the conventional put and call option. In order to disclose the element of wa'd mulzim, a purchase undertaking can replace the conventional put option while a sale undertaking can replace the conventional call option. Besides, wa'd is also applied in the disposal of goods purchased through salam. After executing the salam sale, a trader will give wa'd to the bank that he will buy the asset on stipulated terms and conditions. The bank also takes the wa'd from his customer to sell the bank's salam asset when received from his agent at any given price (Muhammad Ayub 2007). In the contract of diminishing muharakah, the customer uses wa'd to redeem

(RPS), the ruling was made on the basis that the application to buy back is in mishing musharakah. In order to conform with the shari'ah principles, the purchase set at the time of issuance must be based on the principle of wa'd, in which the issuer to buy back the preference shares from the shareholders at a future date based on purchase price promised at the date of issuance (Securities Commission of Malaysia)

In addition, wa'd is adopted as an exit mechanism or takharuj of financing or investment. In the issue of sukuk al-musharakah by Sharjah Islamic Bank (SIB) a GCC inton, wa'd has been applied to redeem the sukuk on the final maturity, in which the gives wa'd to buy the portion of the sukuk holders as musharakah, and the wa'd is into only on the issuer. Similarly, wa'd also has been applied in sukuk mudarabah as a musharib will give wa'd to buy the mudarabah assets when the agreed situation into that were agreed upon actually prevail (Ahmad Suhaimi 2008). This means that it is used as a guarantee to investors to receive an amount equal to their initial investment in their sukuk is redeemed. This also portrays that wa'd is very useful as an exit mechanism including in redeeming sukuk at maturity. All of the above-mentioned use of wa'd depict the practice of wa'd has become widespread since almost all the contracts offered by banks in Malaysia adopt wa'd principles to facilitate their operations.

## 3. The Importance of Islamic Hedging Mechanism

hedging can be denoted as mitigating and minimising exposure to risk to protect real seas activities using mechanisms which are consistent with *shari'ah* principles. The standard with the aim to reduce and mitigate risk plays an important role in the Islamic industry as it protects the value of current or anticipated cash market or off-balance positions from adverse changes in the exchange rate. With Islamic hedging in the exchange rate would not give additional liability or reduce to the institutions or companies. Hedging is an important risk management tool for a range of interested parties including fund managers, corporate treasurers, individual interested parties including fund managers, and bank managers. Hedging is interested for importers to hedge account payables and exporters to hedge account materials.

Thus, the Islamic hedging mechanism is vital in the Islamic finance industry in order to myove investor confidence in conducting cross-border business activities. By its nature, the bedging process is closely related to the financial derivatives market (Saadiah and Marabaei 2008). Financial derivatives are commonly regarded as one of the useful tools of management and are frequently used to reduce risks associated with movements in move and currency risk. Derivatives offer a variety of financial benefits and can act as management are against commodity price fluctuations with the least cost. Moreover, the use of management allows participants to realise economic gains from risk variability and to achieve method through hedging and low cost arbitrage opportunities. Hedging instruments as swaps are perceived as more effective mechanisms to mitigate certain types of management which otherwise cannot be efficiently managed using other natural risk management

strategies like diversification and concentration (Asyraf Wajdi Dusuki 2009b). This shows that without having a proper risk management mechanism and hedging tools, even when a company makes profit in its investment, it could actually be making losses due to uncontrolled exposure to currency and exchange rate risk. Thus, derivatives can provide an opportunity for companies to focus on their core business without having to worry about price movements in the market (Hance 2008).

Though derivatives can mitigate risks effectively, its use is highly controversial from the Islamic perspective as it is speculative in nature. According to Obaidullah (1998), derivatives are independent contracts and may not be suitable forms of hedging for managing risk since they can be used for speculating on price movements that can generate an unearned income. In this contract, both counter values which are the good's payment and delivery are deferred to a future date. When both price and delivery are deferred, this falls under the category of selling a debt against a debt (bay al-kali bi al-kali) which is prohibited in Islam. This means that when an individual sells a commodity in the futures market, it is promised that the commodity will be delivered at a later date. Similarly, when the price is also deferred, then it makes the transaction into an exchange of debt for a debt. The commodity remains a debt which the seller owes to the purchaser whilst the price remains a debt upon the buyer. Exchanging a debt for a debt is not permissible in shari'ah based on a hadith narrated by Abdullah ibn Umar that: "the Messenger of Allah (S.A.W) prohibited the selling of a debt in return for a debt (bay al-kali bi al-kali) j (al-Bayhaqi, Sunan Kubra, Sunan Darulqutni, Kitab al-Buyu<sup>c</sup>, 3/71).

Forwards, futures and options which are some of the derivative instruments used conventionally contain the element of zero sum game since any changes in the price of the underlying goods means that one party gains and the other party loses. This is similar to misappropriation of the property of others and hence impermissible in Islam (al-Suwailem 2006). Under *shari'ah* principles, the hedging transaction must be strictly linked to underlying transactions and cannot be a transaction that has the sole purpose of making money from money. Usually, the market players enter into a derivatives market with the objective of gaining profit, not to buy, sell and actually take delivery of the commodities, rather to settle the differences of prices only. At times, prior to the specified date of delivery approaching, the commodity is transacted and sold further to another party, and they also sell it further and so on. And when the specified date of delivery appears, each party settles the difference between the buying and selling price, usually before the maturity date. The idea is to gain profit without having to actually take the burden of delivering the commodity.

Meanwhile the useof conventional derivatives such as currency forward and swap contain the element of ri'ba and does not apply the rule of bay'al-sarf which involves two different currencies to be transacted on a spot basis. Bayal-Sarf is a contract of exchange of money for money. This contract is tightly regulated under Shari'ah because it can be easily manipulated for the purpose of producing an interest-bearing loan, which is prohibited in Islam.

Ibn Rushd (n.d.) examines the three forms of sale that can arise in a market where goods and money are in existence:

"when two commodities are exchanged, one may serve as a currency and the other as a priced commodity, or both may be currencies. When a currency is exchanged for a currency, the sale is called *sarf*, and when a currency is exchanged for a priced

commodity, the transaction is sale proper (bay). This is similar to the sale of a priced commodity for another priced commodity (barter)."

One popular hadith of Prophet S.A.W regarding bay al-sarf is:

Gold for gold, silver for silver, wheat for wheat, barley for barley dates for dates, and salt for salt - like for like, equal for equal, and hand-to-hand; if the commodities differ, then you may sell as you wish, provided that the exchange is hand-to-hand." (Al-Tirmidhi, Sunan Tirmidhi, Kitab al-Musaqat, Bab al-sarfi wa bay'i al-hahabi bi al-waraqi naqdan).

And in a similar hadith, the Prophet peace be upon him said

Gold for gold, silver for silver, wheat for wheat, barley for barley, dates for dates, and salt for salt - like for like, and hand-to-hand. Whoever pays more or takes more has indulged in *ri'ba*. The taker and the giver are alike [in guilt]." (Muslim, ibid; and Musnad Ahmad).

And in another one,

Do not sell gold for gold except when it is like for like, and do not increase one over the other; do not sell silver for silver except when it is like for like, and do not increase one over the other; and do not sell what is away [from among these] for what is ready." (Bukhari, Kitab al-Buyu, Bab bay i al-fiddati bi al-fiddah; also Muslim, Tirmidhi, an Nasa'i and Musnad Ahmad).

The above hadiths have been regarded as providing the basis for the requirement that arrecy trading must be done on a spot basis. To be *shari'ah* compliant, the simple rules the shari'ah compliant model must be followed, in that any contract used must be free to be and excessive *gharar*. The issue of *ri'ba* arises when there is excess (inequality) delay in delivery as the case may be in any exchange of two *ribawi* (goods subject to trules on *ri'ba* in sales), items. Or if there is a delay in delivery in any exchange of smilar items, e.g., US dollar for ringgit. Since the practice of conventional currency and derivative products contradict with the above *hadith*, the conventional currency and swap is prohibited in Islam. The currency forward and swap transactions in the element of *ri'ba* since the parties involved wish to exchange currency sometime that the rate is fixed today and therefore the contract is concluded today while the latery of the currency occurs in the future (Asyraf Wajdi Dusuki 2009b).

while the debate concerning permissibility and usage of derivatives in Islamic finance redging purposes is ongoing, the need for hedging itself is not disputed. Islam recognises concept of hedging and its importance particularly with respect to managing risk to meet wealth. One of the most important objectives of *shari'ah* (popularly known as *said al-Shari'ah*) is, in fact, to preserve and protect wealth from being exposed to harm damage or loss. Many Quranic verses and hadith of the Prophet Muhammad (peace be now him) have clearly indicated the importance of taking every strategic measure to curb minimise anticipated risk that could be a detriment one's property. The jurists of both past and the present have, however, consistently asserted that the instruments and echanisms used to manage risk must not in any way violate any *Shari'ah* ruling (Asyraf and Dusuki 2010).

Islamic hedging mechanisms must be developed, so that risk can be mitigated effectively and at the same time comply to *maqasid al-shari'ah*. This shows that Islamic hedging solutions are an integral part of the risk management tools required by all parties involved, including the Islamic finance industry. Suhaimi Mohd Yusof (2008) states that the challenges faced by the industry is to provide a hedging mechanism that has value added and will give a positive impact on the economy. According to Gassner (2009), what is needed in Islamic finance today are hedging instruments which are at least tied to the real economy. This temporary solution is needed as a basis for producing more competitive and sophisticated hedging instruments which are in line with the *shari'ah*. Hence, instead of using conventional derivative products for hedging purposes, Islamic finance could look deeper into its own contracts. One of the most important principles which can be developed as a hedging tool is *wa'd* which is also known as unilateral undertaking or unilateral promise. *Wa'd* is the most recent and viable concept to be applied in Islamic finance.

## 4. Application of Wa'd in Islamic Hedging Mechanism

Nowadays, the wa'd principle is widely adopted in Islamic capital market products as a tool for liquidity payment and hedging purposes. Although wa'd is still criticised from a conceptual perspective, in practice this instrument has become a contractual promise as it offers great flexibility. Wa'd can be used as a risk mitigation technique to eliminate some unwanted risks such as price risk and exchange rate risk, in the event of default and total loss.

Shari'ah scholars are in agreement that market players are not allowed to enter into a foreign currency contract in which the concurrent possession of counter values by both parties do not take place. However, the wa'd principle can be adopted to facilitate shari'ah compliant transaction of import and export trading activities. This is because, the importers need to hedge their foreign exchange risk, but since forward contracts of gold, silver or any monetary units are prohibited in Islam, they can hedge against risk using the wa'd arrangement without involving the element of ri'ba. Thus, the importers or exporters can take foreign currency forward cover for genuine business activities on the basis of wa'd and simultaneously exchange the currencies at the agreed time (Muhammad Ayub 2007).

Wa'd which is used in FX option and currency forward aims to hedge uncertain currency cash flow as well as it allows the FX forward profile to be emulated (Hassoune and Carasse 2010). The party may make wa'd to buy or sell a particular amount of currency against another currency on a predetermined date and at a predetermined rate. Islamic FX forward refers to an agreement to enter into the exchange of two currencies at a future date with the rates agreed upfront. This contract is important since an importer has the obligation to make payment at a future date in a foreign currency, and is exposed to risks that the foreign currency might appreciate, forcing him to pay more in domestic currency. Similarly an exporter who has receivables at a future date in a foreign currency has risks of losses if the foreign currency depreciates in future as he would receive less in export revenue in domestic currency. Since conventional FX forward involves contract for future sale where both price and delivery are deferred, thus wa'd is adopted in Islamic FX forward arrangement. A customer can unilaterally make a promise to purchase a currency, say USD for RM at a future date at a present fixed price. This is in the form of a promise to purchase made by a customer to a bank and the bank will provide an acknowledgement. Then, at maturity, the

at the pre-agreed rate. Thereafter, the bank accepts the customer's offer and the requirement that currency trading is done on spot, the 'promise element' only the promise to purchase and also the rate of exchange, that is, the price.

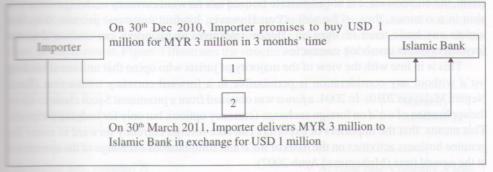


Figure 1. Islamic forward forex using wa'd

The illustration on how wa'd provides risk management is shown in the Figure 1 In recent years, the wa'd principle has been used by Islamic and conventional banks to microte the conventional option mechanisms and to give investors a return, benchmarked the performance of certain assets or indices. One of the uses of the wa'd concept been as a 'swap replicator'. To date, there are three main instruments of Islamic swaps Malaysia, the FX swap, cross currency swap and profit rate swap. Islamic FX swap is a mirror that is designed as a hedging mechanism to minimise market participant's exposure volatility and fluctuations in market currency exchange rates. The swap is a useful strument that is frequently used to reduce the exposure associated with the variation in and currency risk, thereby restructuring the nature of liabilities. The two most popular of Islamic FX swaps are wa'd and tawarruq (Nazneen 2010).

The second type of Islamic swap is the Islamic profit rate swap, where only the cash is changed. This cash flow is in the same currency. Therefore, the exchange involved to change the flow of the fixed profit rate with the flow of the floating profit rate. For pape, assuming Company A has bought a building priced at USD100 million using *ijarah* inacting. The rental that needs to be paid every half-year is based on LIBOR. Say today's IBOR rate is 4.50 per cent. Due to the uncertain economy and market conditions, the many is worried that LIBOR will increase and wishes to change the financing based on Itoating rental rate into fixed-rate financing. This is to ensure that the operating costs of Itoating rental rate into fixed-rate financing. This is to ensure that the operating costs of Itoating rental rate into fixed-rate financing swap, which is cross-currency swap is interest to Islamic FX Swap because it too involves dual exchange of foreign currency, at the Islamic FX Swap because it too involves dual exchange of foreign currency). The Interest is that, cross-currency swap not only involves the exchange of capital value at the beginning and at maturity, but also involves an exchange stream of cash flow during the period. Therefore, cross-currency swap usually involves a longer time period compared FX Swap (Asyraf Wajdi Dusuki 2009b).

According to the *Shari'ah* Advisory Council (SAC) of Bank Negara Malaysia (2010), Islamic financial institutions are allowed to enter into a forward foreign currency transaction for hedging purposes based on *wa'd mulzim* which is binding on the promissory and the compensation for breaching of promise could be implemented. Nevertheless, no fee is allowed to be charged on the promisee because the upfront cash payment for forward currency transaction would lead to a bilateral *wa'd* which is not *shari'ah* compliant. In Islam, the bilateral *wa'd* is not allowed to be used in a forward currency exchange since it is akin to a contract, thus *ri'ba* will occur. However, binding unilateral promise does not violate any basic tenet of *shari'ah*. Hence, importers or exporters can use *wa'd* in the forward contract involving currencies.

This is in line with the view of the majority of jurists who opine that unilateral binding wa'd without any consideration is permissible in a forward currency transaction (Bank Negara Malaysia 2010). In 2004, a fatwa was obtained from a prominent Saudi cleric to allow the application of wa'd on foreign exchange (currency option), but only for hedging purposes. This means that the importers of exporters can take foreign currency forward to cover for genuine business activities on the basis of wa'd and simultaneous exchange of the currencies at the agreed time (Muhammad Ayub 2007).

The benefits of using wa'd in Islamic FX forward and swaps in fact are easy to understand as its uses and costs are similar to the conventional FX forward and swaps.

The Islamic FX swap based on wa'd structure involves exchange of currencies based on the principle of bay' al-sarf at the beginning. After that, it involves wa'd to carry out another bay' al-sarf at a future date based on the rate determined today. At the expiry date, the second bay' al-sarf will be implemented to get back to the original currency. Meaning that, at the beginning of the FX swap, the investor can sell USD to the bank on a spot basis to obtain RM. This complies with bay' al-sarf principles which require transactions to be done on spot. Thereafter the investor will enter into wa'd to enter into a contract of currency exchange based on the principle of bay' al-sarf at a future time. The future exchange of currencies will be based on an exchange rate that refers to today's rate. So at the future time, the investor will get back the USD without being exposed to the risks of currency fluctuation. The illustration of the transaction is shown in Figure 2.

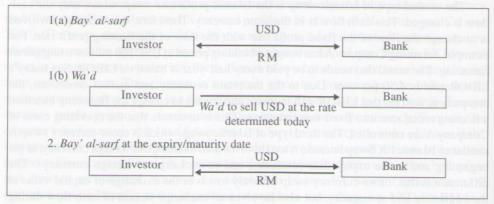


Figure 2. Islamic FX swap based on wa'd Source: Asyraf Wajdi Dusuki (2009a; 2009b)

Under the wa'd structure, only one party promises to buy or sell as the case may be wherein the party is bound by that promise. The other party though not bound by that promise, has to proceed with the promise undertaken by the promissory. Since wa'd mulzim only one party is not deemed under Islamic law as a contract, hence this can facilitate FX (Mohd Daud Bakar 2008).

As mentioned earlier, forward exchange contract which is commonly practised in mentional financial institutions for the purpose of hedging is not allowed in Islam since and delivery are deferred to a future date. Therefore, Islamic financial institutions adopted the wa'd principle so that the forward exchange contract complies with the man requirement. Figure 3 illustrates the structure of Islamic FX forward using the wa'd mariple.

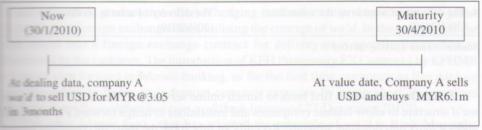


Figure 3. Islamic FX forward based on Wa'd

Suppose Company A, a Malaysian company expects to receive USD 2 million in 3 miles time, and expects USD/MYR rates to strengthen and wants protection by locking the rate now and the bank would offer the FX forward at 3.05. If company A accepts, then the bank are contracted to trade at that rate in 3 month's time. If the US dollar temphens to 3.00, the exporter is protected as he will receive MYR 6.1 million (USD 2.0m instead of MYR 6.0 million at the current rate.

The adaptation of the wa'd principle makes the transaction of FX forward comply with Table 1 shows the differences and similarities of the forward exchange contract the Islamic FX forward which is also known as Promissory Forward Exchange contract.

# 5. Wa'd Application in Malaysian Islamic Banks

April 2006, Standard Chartered (StanChart) was the first bank in Southeast Asia to launch prehensive Islamic derivatives solution based on a globally acceptable Islamic concept ensure that customers have access to mechanisms to hedge profit rate risks while thanking their balance sheet management. The Islamic derivatives solution comprises the Profit Rate Swap, Islamic Cross Currency Swap and Islamic Forward Rate Agreement.

In July 2006, Standard Charted Bank Malaysia Berhad executed USD10 million Islamic Correccy Swap with Bank Muamalat Malaysia Berhad, the first Islamic cross currency in Malaysia and probably in the world. The currency swap allows Bank Muamalat to be the currency and interest rate risks of its investment in foreign currency denominated. The facility allows the parties involved to exchange a series of profit-principled to the profit in one currency for another denominated in a different currency, based on a series apprincipal amount over an agreed period.

**Table 1.** Forward Exchange Contract and Promissory Forward Contract a comparison

Forward Exchange Contract	Promissory Forward Exchange
1. Transaction between Company A and bank is fulfilled at the dealing date (30/1/2010)	On the dealing date (30/1/2010), the Company A only give <i>wa'd</i> to do the transaction on 30/4/2010
2. Transaction fulfilled on the dealing date is binding and can be enforceable	Wa'd on the dealing date is not binding and the parties can revoke the wa'd for acceptable reasons
3. Currency rate is fixed on the dealing date (30/1/2010)	Currency rate is fixed on the dealing date (30/1/2010)
4. The delivery of asset is on the value date (30/4/2010)	The delivery of asset is on the value date (30/4/2010)

Source: Aznan (2010a; 2010b)

StandChart is also the first bank to launch online services in Islamic FX utilising the wa'd structure to allow Islamic companies and institutions to hedge forward FX exposures under a shari'ah-compliant structure. Recently, in July 2008, the shari'ah compliant version of StandChart's Online Treasury (OLT) proprietary foreign exchange trading and hedging platform has been re-launched under the bank's global brand for Islamic products which is Standard Chartered Saadiq. OLT offers a customer instant access to liquidity to efficiently achieve FX management objectives (www.standardchartered.com.my [accessed 12 January 2011]).

In 2007, the CIMB Islamic Bank Berhad launched the Islamic Foreign Exchange with Shari'ah-Compliant Option Features or FXOP-i, Cross Currencies Profit Rate Swap (CCPRS-i) and Islamic Profit Rate Swap (PRS-i) that allow customers to hedge their foreign exchange risk. The CIMB Islamic Profit Rate Swap has been recognised as the world's first Islamic derivative product. In recognition of this innovation, the CIMB's Islamic Profit Rate Swap has been conferred the Islamic Finance Product of the year in 2005 by Euromoney. The product is basically an agreement to exchange profit rates between a fixed rate party and a floating party or vice versa implemented through the execution of a series of underlying contracts to trade certain assets under the shari'ah contracts (Azmi et al. 2008).

The FXOP-i by way of wa'd enables customers to lock in a foreign exchange rate in advance by engaging in a shari'ah-compliant financial transaction with CIMB Islamic. The net proceeds from this transaction which is similar to the premium paid for option instruments in conventional finance grants customers the right, but not the obligation, to exercise the option at the agreed rate on the maturity date. Hence, customers can protect the value of their future foreign currency proceeds, fix their hedging cost at the equivalent of the option 'premium' and even earn a profit if foreign exchange rates move in their favour (http://www.cimbislamic.com/index.php?tpt=islamic [accessed 2 January 2011]). This is done to replicate option.

In 2008, Kuwait Finance House Malaysia introduced its KFH Ijarah Rental Swap-i product. This is a *shari'ah*-compliant hedging contract suitable for corporate customers

have *ijarah* financing arrangements which are subject to fluctuations of the reference such as costs of funds or fixed over the *ijarah* lease facility period. The product aims the product aims are testing customers against profit rate volatility and can be used to hedge risks in any table or fixed *ijarah* based facility such as *ijarah* contract financing, *ijarah* project making, *ijarah* auto financing, *ijarah* asset acquisition financing or even *ijarah* based companies can convert either the fixed or floating rate commitments into a more mageable rate exposure thus minimising the occurrence of any negative impact on volatility magertainty in rate over a period of time (Azmi *et al.* 2008).

Kuwait Finance House (M) Berhad (KFHMB) has also applied Promissory FX Contractatining an unconditional promise to enter into an agreed foreign exchange contract another party at a specified future date in order to mitigate the uncertainty and provide the uncertainty and provide another party at a specified future date in order to mitigate the uncertainty and provide another party at a specified future date in order to mitigate the uncertainty and provide the uncertainty and provide another party at a specified future date in order to mitigate the uncertainty and provide the uncertainty and provide another party at a specific future date as a long awaited product that offers a hedging mechanism to protect customers against methods in foreign exchange rates, utilising the concept of wa'd. In the transaction, the enters into a foreign exchange contract for delivery on a specific future date as a long to the customer. The introduction of KFH Promissory FX Contract-i by KFHMB major step forward in Islamic banking, as for the first time, corporations like AirAsia the option to hedge their foreign currency exposure by using shari'ah-compliant (http://www.kfhonline.com.my/kfhmb [accessed 27 December 2010]).

The other Islamic bank that has adopted the principle of wa'd is Bank Muamalat Barbaia Berhad, whereby the customers promise to enter into the contract aware of their barbaias. Bank Muamalat has applied forward foreign exchange, that is a wa'd on trade barbaias to be negotiated with the dealers and barbaias the right to claim for mark to market (MTM) losses on the extension or market in the pricing to be negotiated with the dealers and barbaias the right to claim for mark to market (MTM) losses on the extension or market in the pricing to be negotiated with the dealers and barbaias the right to claim for actual losses on the extension of forward. This means that banks have the right to claim for actual losses on the extension date (www.muamalat.com.my [accessed 29 December 2011]).

Bank Islam Malaysia Berhad (BIMB) also has its own innovative *shari'ah*-compliant solution based on *wa'd* concept. Among the products offered by Bank Islam Profit Rate Swap which is an agreement to exchange profit rates between two product is Wiqa' Cross Currency Swap (WCCS) which is an arrangement between two exchange a series of profit and/or principal payments denominated in one currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in another currency, another series of profit and/or principal payments denominated in one currency, another series of profit and/or principal payments denominated in one currency, another series of profit and/or principal payments denominated in one currency.

RHB Islamic Bank Berhad had also approved Islamic Promissory Forward Currency based on wa'd mulzim. In this contract, the customer will promise to buy foreign within a specific agreed period based on an agreed rate. Later, the bank will be for a murabahah contract (tawarruq) with a third party based on currency needed the customer to do a mismatch arrangement (Ahmad Suhaimi Yahya 2008). The other products using wa'd principle offered by RHB Islamic are Islamic FX forward, banking Profit Rate Swap and Islamic Cross Currency Swap (http://www.rhb.com.my/banking/main/main.html [accessed27 December 2010]).

Deutche Bank (DB)(Malaysia) Berhad has also adopted the wa'd principle in structuring an Islamic hedging mechanism. In the wa'd structure, the Islamic account gives wa'd to DB (Wa'd 1) to sell a number of shares selected from a basket at a predefined price while DB gives wa'd to the Islamic account (Wa'd 2) to buy the relevant shares at the settlement price. The purpose of these wa'd is to enable exchange, upon settlement of the securities, of the relevant shares for the cash amounts required to be paid to investors in respect of the securities at such time. Wa'd 1 and Wa'd 2 are mutually exclusive and independent of each other. Following receipt of the relevant notice to perform the obligations of either Wa'd 1 or Wa'd 2, the Islamic account and DB shall be deemed to enter into an agreement on the terms of the form of either the Wa'd Share Sale Agreement or the Wa'd Share Purchase Agreement (http://www.db.com/malaysia [accessed 25 December 2010]).

In structuring *shari'ah*-compliant Islamic derivatives like swaps and forward instruments, various contracts permissible in *shari'ah* could have been used in order for the products to be free from *ri-ba* (usury), *maysir* (gambling), *gharar* (excessive uncertainty) and *jahl* (ignorance). They are linked with asset backed transactions such as *ba'i*, *ba'i bithaman ajil*, *murabahah*, *ijarah* etc.

In Malaysia, most Islamic banks that have developed Islamic derivatives have also adopted the principle of wa'd, e.g., in forward FX instruments as a mechanism to hedge against foreign currency exposure. This instrument is vital to provide certainty in terms of price and foreign exchange transactions to the parties involved. In practice, only the customer (who may be an importer / exporter) will give wa'd to the bank to sell/ buy foreign currency to/ from the bank to set rates for the date specified in the foreseeable future. At maturity, the contract is carried out based on the principle of  $bay\ al\ sarf$  (Shamsiah and Rusnah 2010). Islamic banks such as CIMB Islamic, BIMB and Bank Muamalat have made available spot trading and Islamic FX forward trading which uses the concept of wa'd, that is wa'd on the trading date and wa'd on the value date (Nazneen 2010).

Table 2 summarises the hedging products based on wa'd structure by seven Islamic banks in Malaysia under study.

## 6. Findings and Discussion

Wa'd, as mentioned before, is a unilateral promise made by one party which is known as a promisor to do certain acts in the future. The basic purpose of binding promise is to gain assurance that the promisor will fulfil his responsibilities, as stated in the promise, hence, the promisor is legally binding to fulfil it. Since the procedural aspects of conventional forward contract is not correct according to the *shari'ah* due to deferment of both counter values, wa'd is seen as the most suitable principle to be adopted in the forward contract. Hence, forward foreign exchange transaction may be done on a promise basis instead of a contract.

Under the wa'd structure, only one party promises to buy/ sell certain assets or currency in the future and is bound by that promise, while the other party will proceed with the promise undertaken by the promissory. Even though wa'd is binding upon the promissory, it is not deemed as contract under Islamic law. This is because a contract will bind both parties.

Islamic financial institutions can enter into forward foreign currency transactions for hedging purposes based on wa'd but no fee is to be charged on the promise. This is due to

Base 2 Hedging products based on Wa'd structure offered by Malaysian Islamic banks

Scamic Bank and addition of the Impatelian	Hedging product based on wa'd
Bank Islam Malaysia Berhad (BIMB)	<ul> <li>a. Wiqa' Forward Rate Agreement</li> <li>b. Wiqa' Profit Rate Swap</li> <li>c. Wiqa' Cross Currency Swap (WCCS)</li> <li>d. Islamic Option (Commodity Undertaking-i)</li> </ul>
Bunk Muamalat Malaysia Berhad	a. Forward Foreign Exchange
Slamic Bank Berhad	<ul> <li>a. Cross Currency Profit Rate Swap (CCPRS-i)</li> <li>b. Cross Currency Swap (CCS-i)</li> <li>c. Islamic Profit Rate Swap (PRS-i)</li> <li>d. Islamic Foreign Exchange with Shari'ah-Compliant</li> <li>e. Option Features (FXOP-i)</li> </ul>
RHB Islamic Bank Berhad	a. Islamic Promissory Forward Currency Contract     b. Islamic FX Forward     c. Islamic Profit Rate Swap     d. Islamic Cross Currency Swap
Rawait Finance House (M) Berhad	a. Promissory FX Contract-i b. <i>Ijarah</i> Rental Swap-i
Sendard Chartered Saadiq Bank Berhad	<ul><li>a. Islamic FX Forward</li><li>b. Islamic Cross Currency Swap</li><li>c. Islamic Forward Rate Agreement.</li><li>d. Islamic Profit Rate Swap</li></ul>
Dennie Bank Berhad	a. Two Unilateral Undertakings

Authors' compilation (2010)

that upfront cash payment for forward currency transaction would lead to a ward which is not shari'ah-compliant (Bank Negara Malaysia 2010). This is in line with the view of the majority of jurists who opinethat unilateral-binding wa'd without any is permissible in a forward currency transaction.

Since there are three different views regarding wa'd (i.e. opinion 1 says that fulfilling make is noble, neither mandatory not enforceable through court; opinion 2 says that make it is noble, neither mandatory and promissory is under moral and legal obligation to much his promise; opinion 3 says that promise is not binding under normal circumstances at the comes binding if it cause some expenses), the mechanism used by banks to prevent in case a customer refuses to fulfil the promise is by imposing a certain 'clause'. The may consist of conditions that in case of non performance due to negligent or matchest misconduct, the bank can ask for compensation. The compensation must be made on the actual costs or loss incurred by the bank due to non fulfillment of promise. If the customer still refuses to pay the compensation, then it may be resolved through the

Based on the case study above, it shows that Malaysian Islamic banks have adopted the wa'd principle in structuring various products particularly Islamic hedging products. The current practice in Malaysia is to use only the unilateral wa'd which is binding only on the promisor, not both parties involved in the transaction. If the wa'd binds both parties, then it is considered as a contract and a forward contract of currencies is not allowed in Islam due to prohibition of selling debt for a debt and involvement of the ri'ba element. In order to avoid shari'ah issues which are bilateral, wa'd may be equivalent to a contract; therefore, the transaction of forward currency exchange contract in Malaysia has only adopted unilateral binding wa'd.

This study also found that Malaysian Islamic banks may have adopted various terms and contracts in their product offerings, but essentially they adopted wa'd in structuring them, particularly in structuring Islamic hedging mechanisms. This is consistent with the AAOIFI *Shari'ah* Standards (2008) that a bilateral promise is prohibited in currency trading when it is binding upon both parties even when it is done for risk management and hedging purpose. Only a promise from one party is permissible even if the promise is binding.

#### 7. Conclusion

Our research on the practice of Islamic hedging in Malaysian Banks indicates that wa'd is the preferred mechanism for hedging. Compared to other contracts such as bay al-salam which also has potential for becoming a risk management tool (Saadiah and Tabatabaei 2008), wa'd seems to involve less shari'ah issues and can conform easily to requirements of shari'ah compliance and its structure is simple and easy to be understood by players. Wa'd also offers great flexibility in structuring products that can mimic conventional products.

Although in recent years there have been many criticisms on the Islamic finance industry's practice of imitating the conventional products in its product development process, the popular call for developing original shari'ah based rather than 'merely' shari'ah-compliant products, often underestimates the reality that Islamic finance has to compete side by side with the conventional system. If Islamic finance were to really offer a clear alternative then it must have products that meet the current needs of the market. Hence at least in the transition period until more shari'ah based products are developed, the Islamic financial services industry needs to offer similar sets of products to meet the requirements of the day and if there are Islamic contracts that can be used to turn useful conventional products into shari'ah-compliant products, this should be welcomed in itself. But perhaps what the market needs is a clear answer to the question "does shari'ah compliance in itself make any difference?" In this case, at least, whether shari'ah compliance in hedging mechanisms would make any difference to risk management practices. This would provide a clear case for embracing Islamic finance and pave the way for higher acceptance.

The discussion on the application of wa'd shows that wa'd can become a viable principle for Islamic hedging in facilitating Islamic financial institutions and Islamic investors to manage their business risk effectively. Since derivative products which are commonly used as hedging mechanisms are against shari'ah principles due to prohibition of ri'ba, the wa'd structure can be used as an alternative to offer shari'ah-compliant hedging products. The study on the seven Islamic banks in Malaysia which are CIMB Islamic, Bank Islam Malaysia Berhad, Bank Muamalat, Standard Chartered Saadiq, Kuwait Finance House (M) Berhad, RHB Islamic bank and Deutche Bank Malaysia shows that practices and use of the

Almost all the contracts in Islamic banking in Malaysia have adopted the measurement of wa'd so as to facilitate financial and banking operations. Even though all of banks use different names for the hedging products based on wa'd, they use the principle, which is the wa'd that is binding only on one party, not both parties are in the transaction.

This paper is a preliminary overview on the application of wa'd in seven out of the seventeen Islamic banks in Malaysia based on information from official websites.

The research will investigate the operation of wa'd in each Islamic bank in more detail, this use is still limited and what are the challenges and prospects for greater acceptance

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