Conoscaconurecum areaux

$$O(\Omega, F, (F_1), P)$$
 B, W (F_1) - BM

$$B_{t} W_{t} = \int_{0}^{t} B_{s} dW_{s} + \int_{0}^{t} W_{s} dB_{s} \quad (u_{H}m no \tau \alpha c \tau a u)$$

Bojevien B=W:

$$W_t^2 = 2 \int_0^t W_s dW_s + t / E(\cdot)$$

$$t = E(W_{+}^{2}) \neq 2 E\left[\int_{0}^{t} W_{s} dW_{s}\right] = 0$$

$$\bigcirc$$
 $(\Omega, F, (F_i), P)$ W (F_i) - BM

Bonpoc: beprus m, romo E[stydws] = 0?

Omben:
$$E\left[\int_{0}^{t} H_{s}^{2} ds\right] < \infty \implies \text{Repute } j$$

6 osiyen ceyreac - reem

kom boissoger ug nyel,

$$E\left[\int_{s}^{t} H_{s} dW_{s}\right] = 0$$

$$\left(\text{vyouetpue}\right) E\left[\int_{s}^{t} H_{s} dW_{s}\right]^{2} = E\int_{s}^{t} H_{s}^{2} ds$$

· Ecm mortho 5 Hz ds < 0 n. 4., mo

(SHS dWS) + ETO, TI renper roxanbrion ucirmunar, been uz ryre, c ubagrammrecien bajuaguen

 $\left[\int_{0}^{t} H_{s} dV_{s}\right]_{t} = \int_{0}^{t} H_{s}^{2} ds, \quad t \in [0, T].$

Bagara Thubegune upnuer upouecca (H₊)
m. 7 S H_s dW_s ompegnien, no

 $E\left(\int_{0}^{\infty}H_{s}dW_{s}\right)^{2}$ ompegerens $u\neq0$, $E\left(\int_{0}^{\infty}H_{s}dW_{s}\right)^{2}$ $\neq E\int_{0}^{\infty}H_{s}^{2}ds$